# **Empty Categories and Inverse Ellipsis<sup>1</sup>**

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#### Aims:

- to discuss various mismatches between strong pronouns and R-expressions on the basis of Spanish and Catalan non-finite configurations
- to argue in favor of abandoning a lexical PRO/pro distinction:
  - There is only one type of ec ( $D_{[u\phi]}$ ) whose status with respect to Binding Theory is derived from the properties of T (Borer's (1989) anaphoric AGR)
- Overt pronouns in Romance finite *pro-drop* and non-finite configurations are the result of post-syntactic Spell-Out of D (adopting 'Late Insertion').
  - motivated by (i) structural Case or, in its absence, (ii) discourse-sensitive insertion of morphophonological material
    - > Inverse Ellipsis
  - R-expressions, in contrast to strong pronouns, cannot be default realizations
    - > We offer an explanation couched in terms of phase theory

#### 1 Mismatches between strong pronouns and full DPs in Spanish and Catalan

#### 1.1 Spanish

1.1.1 <u>Complement control – apparent Backward Control vs. emphatic subjects</u>

In Spanish, full R-expressions/DPs are allowed to surface inside a certain class of control complements (→ apparent Backward Control (BC), see Alexiadou et al. 2010):

(1) Ayer (Juan) quería hacer (Juan/él) los deberes (Juan/él). Yesterday (Juan) wanted to-do (Juan/he) the homework (Juan/he)

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- (2) Todos los días (**Juan**) <u>intenta</u> hacer (**Juan/él**) los deberes (**Juan/él**). All the days (Juan) tries to-do (Juan/he) the homework (Juan/he)
- (3) Ayer (Juan) <u>aprendió a</u> hacer (<sup>?</sup>Juan/él) los deberes (Juan/él). Yesterday (Juan) learned to to-do (Juan/he) the homework (Juan/he)
  - ➤ R-expressions and (emphatic) pronouns are allowed inside the infinitive
  - ➤ Potential violation of Condition C and B, respectively

However, full DPs become impossible in the VSO order with the following control verbs (which are unambiguously non-restructuring), while (emphatic) pronouns are acceptable:

- (4) Ayer (Juan) odió hacer (?\*Juan/él) los deberes (Juan/él). Yesterday Juan hated to-do Juan/he the homework Juan/he
- (5) Ayer (Juan) <u>insistió en</u> hacer (?\*Juan/él) los deberes (Juan/él). Yesterday Juan insisted in to-do Juan/he the homework Juan/he

Also matrix objects and complementizers block full DPs (i.e. apparent BC) (see Ordóñez 2009, Torrego 1996). However, pronouns remain acceptable:

- (6) Ayer (**Juan**) me prometió a mí hacer (\***Juan/él**) los deberes. Yesterday (Juan) me promised to-do (\*Juan/he) the homework
- (7) (**Juan**) no sabe si firmar (\***Juan/él**) el contrato. (John) not knows whether to-sign (\*Juan/he) the contract

These asymmetries between R-expressions and pronouns are against a uniform analysis of control as movement<sup>2</sup>.

In those configurations (restructuring) that allow R-expressions as well as pronouns (see (1)-(3)), the two elements have different scope properties (see Szabolcsi 2009):

(8) No quería [hacer **solo Juan** los deberes]. not wanted to-do only Juan the homework

✓ Reading 1: Only Juan doesn't want to do the homework (others want to do them).

\* Reading 2: He<sub>i</sub> doesn't want it to be the case that only he<sub>i</sub> (=Juan) does the homework (he wants others to do them as well).

(9) No quería [hacer solo él los deberes].

Not wanted to-do only he the homework

?✓Reading 1: Only Juan doesn't want to do the homework (others want to do them).

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<sup>&</sup>lt;sup>2</sup> See Alexiadou et al. (2010) for a raising analysis of BC in the vein of Polinsky & Potsdam (2002) for Spanish.

- ✓ Reading 2: He doesn't want it to be the case that only he<sub>i</sub> (Juan) does the homework. (He wants others to do them too).
- ➤ Only pronouns can have narrow scope over the embedded infinitive
- R-expressions must have wide scope over the matrix clause

#### Szabolcsi's Generalization:

In several languages, overt subjects in OC infinitives can only be morphological pronouns but not full DPs.

This indicates that, in Spanish, R-expressions are only inside control infinitives in the linear PF order but not in syntax

Pronouns, in contrast, can be phonetic realizations of PRO/pro.

# 1.1.2 Overt subjects in NOC contexts

Piera (1987) observes that overt subjects are possible in <u>subject infinitives</u> in postverbal position. However, R-expressions are judged as more marginal than pronouns:

- (10) Salir (**tú/??Julia**) fue un error. To-leave you/Julia was an error
- (11) a. Olvidarse (**??Julia**) no es nada raro.

  To-forget-SE Julia not is nothing strange
  - b. Olvidarme (yo) no es nada raro.

    To-forget-ME I not is nothing strange

Preverbal subjects are generally ruled out (see Piera 1987):

- (12) a. [Telefonear **tú** primero] sería un error. To-telephone you first would-be an error
  - b. \*[**Tú** telefonear primero] sería un error. You to-telephone first would-be an error

In <u>adjunct infinitives</u>, however, R-expressions as well as pronouns are licit in postverbal position (see Piera 1987, Rigau 1995):

(13) Después de actuar **Caballé**, cantó Carreras. (Rigau 1995: 280) After of to-act Caballé sang Carreras

Preverbal full DPs are ruled out, but VOS as well as VSO orders are licit:

(14) Antes de (\*Juan/\*mi hermano) hacer (Juan/mi hermano) los deberes Before of Juan my brother to-do Juan my brother the homework

# (Juan/mi hermano), ...

Juan my brother

Preverbal subjects are marginally possible, but can only be pronouns (preferably [1.sg]):

"El temor se repite **sin yo quererlo**."

'The fear repeats without **I(nom) to-want**-it.'

(Novel (Spain). Llongueras, Lluís. *Llongueras tal cual. Anécdotas y recuerdos de una vida*. Planeta, S.A. (Barcelona), 2001)

#### 1.2 Catalan

# 1.2.1 Complement control – apparent Backward Control and emphatic subjects

Differently to Spanish, not even restructuring contexts allow the VSO order with full DPs (see Ordóñez 2007, 2009), mirroring restrictions on matrix subjects:<sup>3</sup>

(16) Ahir (en Joan) volia fer (?\*en Joan) el pastís (en Joan). Yesterday the Joan wanted to-do the Joan the cake the Joan

However, inserting a pronoun, the acceptability of (16) improves:

(17) ?Ahir volia fer **jo** el pastís. Yesterday wanted to-do I the cake

As in Spanish, (emphatic) pronouns are possible with all types of control predicates:

- (18) Li vaig<sub>i</sub> prometre [fer **jo**<sub>i</sub> el pastís]. CL PAST-1.sg promise to-do I the cake
  - ➤ While the VSO order is generally ruled out in Catalan finite and non-finite contexts, (emphatic) pronouns do appear in the VSO order (see Cardinaletti (1999) and Belletti (2005) for Italian)

<sup>3</sup> Full R-expressions can only appear inside control infinitives in Catalan if (i) the matrix verb is a restructuring one and (ii) the constituent following the DP subject is a non-argumental PP:

(i) Volien venir (?\*els pares) a Barcelona. Wanted-3pl to-come the parents to Barcelona

(ii) Volien venir (**els pares**) a dinar. (Solà 2002) Wanted-3pl to-come the parents to to-have-lunch

(iii) Es proposen venir (\*els pares) a dinar. (Solà 2002) SE propose-3pl to-come the parents to to-have-lunch

This state-of-affairs reinforces that we are dealing with matrix subjects here.

# 1.2.2 Overt subjects in NOC contexts

In <u>subject infinitives</u>, overt subjects are only very restrictedly allowed. Full R-expressions are completely unacceptable and pronouns are marginal and, for those speakers that accept them, preferably first person:

- (19) \* Anar-se'n **en Joan** va ser un error. To-go-SE-EN the Joan PAST be an error
- (20) ? Anar-me'n **jo** va ser un error. To-go-ME-EN I PAST be an error

Note that Burzio (1986), Cardinaletti (1999) and Belletti (2005) observe a similar state-of-affairs for Italian:

- (21) [Andarci (noi/io/\*Giovanni)] sarebbe un errore. (Burzio 1986) 'To-go-there (we/I/\*Giovanni) would-be a mistake'
- In una situazione del genere, parlare (\*')io/\*'tu/\*'lui/\*'noi/\*'voi/
  \*'loro/\*Gianni) sarebbe strano. (Belletti 2005)
  'In a situation of this kind, to speak I/you/he/Gianni would be strange'

Preverbal subjects are generally ruled out:

(23) [(\*en Joan/\*ell) anar-se'n] va ser un error. The Joan he to-go-SE-EN PAST be an error

In adjunct infinitives, similarly to Spanish, full R-expressions become licit:

- (24) Abans de(\*en Joan/\*jo) comprar (\*en Joan/\*jo) pomes (en Joan/jo),...

  Before of (the Joan/I) to-buy (the Joan/I) apples (the Joan/I)
  - ➤ Only the VOS order is licit with full DPs (see also Ordóñez 2007)
  - > VSO improves with a pronoun

# 1.2.3 Catalan finite domains

As Solà (1992) and Picallo (1998) observe, the (XP)VSO order is ungrammatical in Catalan:

(25) Fa (\*en Joan) els deures.

Does (the Joan) the homework

However, VSO slightly improves with a pronoun (though it's not fully grammatical):

(26) Faig (<sup>?(?)</sup>**jo**) els deures. Make-I I the homework

As Gemma Rigau (p.c.) points out, this contrast becomes more evident in subordinates:

- (27) a. Quan fas 'tu els deures,... when makes you the homework
  - b. Quedem que fare **jo** el sopar. Meet-we that make-FUT-1sg I the dinner

# 1.3 Interim summary

Strong pronouns have less stricter licensing conditions in syntax than full DPs (see Cardinaletti 1999, 2004 for Italian)

This situation holds for finite contexts (i.e. *pro*/pronoun alternations) as well as for non-finite control contexts (i.e. PRO/'(emphatic) pronoun' alternation)

### PRO = pro

Beside a raising analysis of control (Hornstein 1999), we argue that **some languages** might apply a 'pro-drop strategy' to subjects in control infinitives.

➤ T can have interpretable phi-features in *pro-drop* (Barbosa 1995, 2009a,b): Non-finite domains, however, have a defective C-T spine (Landau 2004, Boeckx et al. 2010):

(28) 
$$T_{compl}$$
 iff [+AGR], [+T],  $T_{def}$  elsewhere (see Landau 2004)

A priori, nothing precludes introducing a further binary distinction:

- > T<sub>def</sub> can have interpretable or uninterpretable φ-features (see also Barbosa 2009, 2010 for Portuguese)
- T can have a valued D feature in Romance *pro-drop* (Holmberg 2005)

However, interpretable features on **T can absorb Case/EPP but not a theta-role**. Reason: Chomsky's (2008) 'Hypothesis of Dual Semantics' <sup>4</sup>

- > EM correlates with argument structure
- Forces EM of an element with at least the minimal descriptive content to satisfy a theta-role ( $D_{[ub]}$ ) in the vP/VP-domain

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<sup>&</sup>lt;sup>4</sup> This hypothesis states that:

<sup>(</sup>i) **Hypothesis of Dual Semantics**: (Chomsky 2008: 141)

C-I incorporates a Dual Semantics, with generalized argument structure as one component, the other one being related to discourse and scopal properties. Language seeks to satisfy the duality in the optimal way, EM [external Merge] serving one function and IM [internal Merge] the other, avoiding additional means to express these properties.

- $ightharpoonup T_{[i\phi]}$  'licenses' EM of a "reference variable", characterized by fully variable phi-features (Sigurðsson 2008), in Spec,v
- (30) Control:

  Juan intentó [CP Cdef [TP]  $T_{[iD, i\phi def]}$ -dormir [VP  $D_{[\phi:]}$  v-dormir ...
- (31) **Pro-Drop**: Juan dice [CP que [TP  $\mathbf{T}_{[i\mathbf{D};\ i\phi compl]}$ -durmieron [VP  $\mathbf{p}_{[\phi:]}$   $\nu$ -durmieron ...
  - ➤ The differences with respect to Binding Theory are derived from the T head and not from inherent lexical properties of an ec
  - Thas interpretable defective  $\phi$  (i.e. **anaphoric AGR** (see Borer 1989)) in control  $\rightarrow$  motivates Agree with a matrix antecedent (Landau 2000, 2004)
  - Thas interpretable complete  $\phi$  in finite  $pro\text{-}drop \rightarrow \text{linking to the context-linkers of C (Sigurðsson 2011)}$

Non-pro-drop arises as a consequence of unvalued D- and  $\phi$ -features on T (see e.g. Barbosa 1995, Holmberg 2005). We argue in a similar spirit that raising T does not have interpretable features, accounting for the differences between overt subjects in raising and control (see Szabolcsi 2009 for a discussion of scope differences).

# 3 Empty Categories and Inverse Ellipsis: Late Insertion of Pronouns

The empty subject in control is not empty by (lexical) stipulation. Potentially, it can be pronounced as *pro* can. The **question is why the distribution of overt subjects is more restricted in control than in** *pro-drop*.

➤ We argue that *insertion* of morphophonological content needs a trigger and the relevant triggers are available to a lower extent in defective domains

### Factors determining Spell-Out of $D_{[\phi]}$ :

- 1. Structural [nom] Case (cf. the traditional Case Filter)
- 2. Discourse-sensitive information (adopting Fortuny's (2008) term:  $[\pi]$ -features = [focus], [contrast], [emphasis])

**'Late Insertion'** of morpho-phonological material as in Distributed Morphology (see Halle & Marantz 1993, 1994 and subsequent work)

- ➤ Morpho-syntactic information is not equipped with a morpho-phonological make up before Spell-Out
- ➤ The overt/covert alternation of subjects cannot be *lexically* encoded
- ➤ Must be the result of the (in-)application of postsyntactic Spell-Out rules

How to encode the dependency of D-pronunciation and  $[\pi]$ ?

- $\triangleright$  [ $\pi$ ]-features are not located in the (pre-syntactic) lexicon
- $\triangleright$  [ $\pi$ ] is assigned at the phase edge (see López 2007, 2009, Gallego 2010):

(32) Lexicon 
$$\rightarrow$$
 C<sub>HL</sub>  $\rightarrow$  Pragmatics LF (cf. López 2007: 31)

We thus potentially have the following Spell-Out rules for e.g. a [1p.sg] φ-bundle:

(33) a. 
$$D = [\phi: 1p.sg] \rightarrow \emptyset$$
  
b.  $D = [\phi: 1p.sg], [\pi] \rightarrow /\text{Jo}/$   
c.  $D = [\phi: 1p.sg], [\text{nom}] \rightarrow /\text{Jo}/$ 

However, in *pro-drop* and control, **interpretable** φ-**features absorb [nom] Case** (see e.g. Barbosa 1995, Rosselló 2000)

- > Option (33.c) should not exist in Spanish
- $\triangleright$  Predicts that, in the absence of structural nominative Case,  $[\pi]$ -features trigger Spell-Out of D
- The distribution of pronouns in *pro-drop* should be restricted by the (un)availability of discourse-sensitive  $[\pi]$ -features

The distribution of strong pronouns in *pro-drop* and control is restricted by phase edges as pragmatic interface points.

In Romance *pro-drop*, there are potentially **three phasal points of transfer**:

- 1. Spec, C  $\rightarrow$  following Rizzi's (1997) tradition
- 2. Spec,T → after overt V-to-T head movement and correlated 'phase sliding' (see Gallego 2010 and Fortuny 2008)
- 3. Spec,  $v \rightarrow low focus position (see Belletti 2001, 2004)$

Thus, the following options arise for overt pronouns in Spanish-type languages:

(34) a. 
$$[CP \ Ella \ C_{[\pi]} \ [TP \ T-come \ [vP \ ella \ v-come \ [vP \ pasta \ come]]]].$$
 b.  $[CP \ C \ [TP \ Ella \ T_{[\pi]}-come \ [vP \ ella \ v-come \ [vP \ pasta \ come]]]].$  c.  $[CP \ C \ [TP \ T-come \ [vP \ ella \ v_{[\pi]}-come \ [vP \ pasta \ come]]]].$  d.  $[CP \ C \ [TP \ T-come \ [vP \ pasta \ [vP \ ella \ v_{[\pi]}-come \ [vP \ pasta \ come]]]].$ 

In infinitives, the distribution of overt subjects is more restricted ( $\rightarrow$  no preverbal subjects)

 $\triangleright$  is due to the fact that **infinitives**, being defective domains, have a lower availability of  $[\pi]$ -triggers:

- (35) a.  $[_{CP} C_{def} [_{TP} T_{def}\text{-comer} [_{vP} \textbf{ella} v_{[\pi]}\text{-comer} [_{vP} pasta \frac{comer}{}]]]]$ . b.  $[_{CP} C_{def} [_{TP} T_{def}\text{-comer} [_{vP} pasta [_{vP} \textbf{ella} v_{[\pi]}\text{-comer} [_{vP} pasta \frac{comer}{}]]]]$ .
  - > C<sub>def</sub> is not a strong phase (see Boeckx et al. 2010)
    - $\rightarrow$  it is **not an interface point**, hence, **no [\pi]-feature**
- (36) a. <sup>??</sup>Luís quiere, **los libros**, leerlos. (Spanish; Gallego 2010) Luis wants the books to read-them
  - b. \*Luís quiere **CERVEZA** beber. (Spanish; Gallego 2010) Luis wants BEER to drink
  - c. \*En Joan va intentar **els llibres** portar-los. (Catalan, López 2007) John tried the books to read.
  - $\triangleright$  [ $\pi$ ] is generally not available at the  $C_{def}P$  edge<sup>5</sup> ( $\rightarrow$  no topicalization / focus fronting)
  - T should be defective by inheritance (Chomsky 2008)

The distribution of strong pronouns is regulated by phases as pragmatic interface points in that  $[\pi]$  is needed to trigger Spell-Out in the absence of [nom] Case:

#### **Inverse Ellipsis:**

The *ec*/pronoun alternation in control and *pro-drop* is the result of a  $[\pi]$ -conditioned, postsyntactic 'allomorphy'.

It is the result of context-sensitive *insertion* (vs. deletion) of morphophonological content.

In English-type languages, T does not have interpretable phi-features

- > Case is not absorbed
- ➤ Overt Spell-Out is always forced by [Case] (as in (33.c))
- (37) Economy of Insertion:<sup>6</sup>

If insertion and non-insertion compete in domain D, non-insertion is favored.

➤ Since [Case] is not absorbed, (33.a) could never apply in English, since insertion and non-insertion never compete, [Case] unambiguously triggering Spell-Out

<sup>&</sup>lt;sup>5</sup> Differently from Hungarian, where C<sub>def</sub> can have a full left periphery (Szabolcsi 2009). Interestingly, this correlates with the fact that overt subjects *are* preverbal in OC in this language.

<sup>&</sup>lt;sup>6</sup> This principle has various predecessors in the literature, such as the Avoid Pronoun Principle (Chomsky 1981), the APS (Bonet 1991), and Minimise  $\alpha$  (Cardinaletti & Starke 1999).

#### Strong pronouns vs. R-expressions: Why are they different? 4

Full DPs, in contrast to strong pronouns, cannot be default realizations.

Cardinaletti & Starke (1999):

- Strong pronouns are full CPs
  - Can be 'inherently' (default) Case-marked within their own CP
- Weak pronouns lack C
  - ➤ Need structural Case in syntax

Cardinaletti (1999, 2004): R-expressions lack the ability of being (default) Case-marked internally to their own projection.

**Paradox**: Why do full DPs behave like weak pronouns, and not like strong ones, with respect to structural Case marking?

> Surprising since full DPs have the same richness of projection as strong and not as weak pronouns

**Possible solution**: We argue that the obligatory Case-requirement on R-expressions reduces to the **phasal status of DPs**. Pronouns, in contrast, are not strong phases.

Embick & Marantz (2008): two types of elements in the presyntactic lexicon

1.  $\sqrt{\text{Roots}}$  $(\rightarrow lexical vocabulary)$ 2. Morphosyntactic features ([D],  $[\phi]$ , [Case], etc.)

Until now, we predict the following:

(38)Strong pronoun  $[D] + [\phi] + [\pi]$ a. = b. Weak pronoun:  $[D] + [\phi] + [Case]$  $[D] + [\phi] + \sqrt{Root}$ R-expressions: c.

- $\triangleright$  **R-expressions** have inherent semantic content  $\rightarrow$  **contain a root**
- **Pronouns** lack *inherent* semantic content and, hence, a root
  - They are an assembly of D- and phi-features<sup>7</sup>

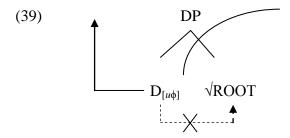
Marantz (2001, 2007): words can be phases (n-N, v-V, p-P, etc.).

Chomsky (2008): **DPs can be phases**.

For X to be an argument, to refer, it must be linked to a D (e.g. Longobardi 1994)

- Consequence: A DP containing a root must provide a value for the variable DP-internally.
- $\triangleright$  Problem: If D selecting a  $\sqrt{\text{Root}}$  had unvalued features, it could not provide a value for the variable internally to its phase:

<sup>&</sup>lt;sup>7</sup> Following Postal's (1969) traditional idea of assimilating pronouns with determiners.



- ➤ If DP containing a root is a phase, the complement of its head should be sent to C-I
- ➤ If D has unvalued features it cannot assign a value to the root it selects
- ➤ Conclusion: DPs containing a root must have a D-head with interpretable features!

If D has interpretable features, T must have uninterpretable ones:

(40) **Feature Balance:** (Müller 2004: 4) For every feature specification [\*F: $\alpha$ \*], there must be a matching feature specification [F: $\alpha$ ].

T, having uninterpretable phi-features, cannot absorb [nom] Case.

➤ DP/R-expression must value structural Case in syntax

What about **strong pronouns**?

- > Since they **do not contain a root**, they can value their features against T
- ➤ **D** can have unvalued features (as in (30)) and, by (40), T can have valued ones
  - D can remain Case-less because interpretable features on T absorb Case
- $\triangleright$   $[\pi]$ -triggered Spell-Out

This analysis implies that even *pro-drop* languages can apply a non-*pro-drop* strategy for R-expressions and full DPs.

# 5 Some residual issues

# 5.1 Full R-expressions in adjunct infinitives

Adjunct infinitives allow both R-expressions and pronouns (see (13) and (14)).

Question: How can R-expressions receive Case in adjuncts, being non-finite domains? Rigau (1995):

- T in adjunct infinitives has fully equipped (abstract) AGR, i.e. is [+AGR, -T]
- The introducing P equips T with a tense value, making it [+AGR, +T]

(41) 
$$[CP de [TP T_{compl} [vP v ... (full R-expressions)]$$

- > P in C can value the tense features of T
- ➤ Having 'complete' features, it can potentially license [nom] Case assignment

The crucial role of the introducing preposition can explain why R-expressions are unacceptable (Catalan and Italian) or marginal (Spanish) in subject infinitives, where no P is merged in the C domain.

# 5.2 Apparent BC: Spanish vs. Catalan

Apparent BC is available to a larger extent in Spanish than in Catalan.

This is not surprising since Spanish has a wider freedom with respect to word order in finite configurations:

- (42) Todos los días compra **Juan** el diario. Every day buys Juan the newspaper (**Spanish (XP)VSO**; Zubizarreta 1998: 100)
- (43) (??)\*Fullejava **en Joan** el diari. was browsing Joan the newspaper (**Catalan \*VSO**; Picallo 1998: 229)

Hence, the prohibition against apparent BC in Catalan in the VSO order follows from general constrains on Case assignment:

If Spanish allows *in situ* Case checking (see Ordóñez 1998, Zubizarreta 1998), the acceptability of apparent BC in restructuring contexts is expected:

- ➤ The formation of a verbal complex can be effected above the matrix *in situ* subject (see Ordóñez 2009, Gallego 2011 for different implementations of a similar proposal)
- ➤ López (2009): subjects always raise to Spec,T in Catalan a further step of subject movement above the verbal complex is needed (see (46))

# 5.3 Why is [1p] different?

Belletti (2005) observes that overt pronominal subjects in subject infinitives are preferably [1p] (see (21) and (22)).

- ➤ the nature of the control relation itself is responsible for this preference:
  - NOC involves 'arbitrary' control, which can have an "inclusive" interpretation

One could also speculate from the following perspective:

- ➤ **NOC** does not involve arbitrary but **logophoric control** (see Landau 2000)
- ➤ Huang (2000): logophoricity usually refers to an internal protagonist of a 'narration' to the *non*-speaker and *not* to an external speaker
- ➤ Since [1p] encodes the external speaker, overt subjects can be seen as an 'anti-logophoricity' effect
  - Overt pronouns are inserted if the implicit logophoric centre cannot be recovered in discourse – shifting towards the external speaker

In the absence of structural nominative [Case], discourse-sensitive properties become crucial triggers for Spell-Out of subjects.

# 6 Conclusions

- We have argued that Spanish and Catalan can apply a 'pro-drop-strategy' to the subject in control infinitives:
  - ➤ There is no *lexical* PRO/*pro* distinction
    - It is T that determines the status of an ec (Borer 1989)
  - Null subjects have the minimal descriptive content  $(D_{[u\phi]})$  to satisfy a thetarole
  - ➤ The overt/covert alternation in control and *pro-drop* arises in the absence of structural nominative Case
    - $T_{[i\phi]}$  absorbs [nom]
    - $[\pi]$  triggers Spell-Out at the phase edges (= pragmatic interface points)
  - ➤ R-expressions, on the other hand, rely on a 'non-*pro-drop* strategy', being in the need of structural Case they cannot be default realizations
- The data presented here indicates that an alternative Agree-based strategy for obligatory control (Landau 2000, 2004) is independently needed, *at least in parallel* with a control as raising analysis

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