

The OB-runaways of R136 - a dynamical fingerprint of massive star formation?

M. NORTH*, A. GUALANDRIS, M. GIELES, AND V. HÉNAULT-BRUNET

Department of Physics, University of Surrey (UK)

Matt North, University of Surrey

Please check out my poster:

“The OB-runaways of R136 – a dynamical fingerprint of massive star formation?”

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To try to answer this question we are:

- Using NBODY6
- Tracking the ejection mechanism
- Tracking the type of ejected object
- Recording stellar spin & ejection velocity

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3.1 High density, no primordial binaries

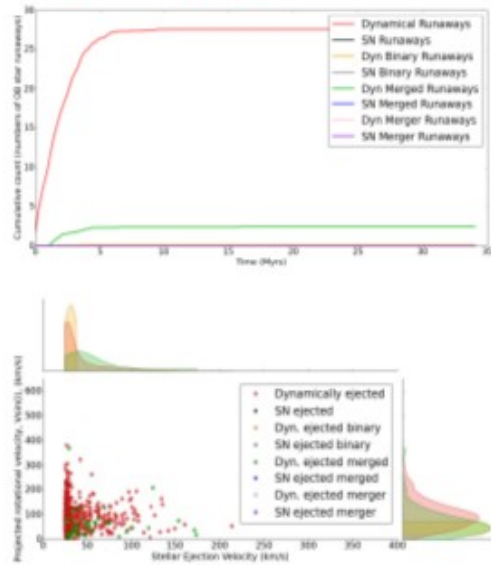


Figure 1. *top panel*: OB-runaway population growth v time.
bottom panel: V_{esc} versus V_{ini} .

3.2 Low density, primordial binary fraction

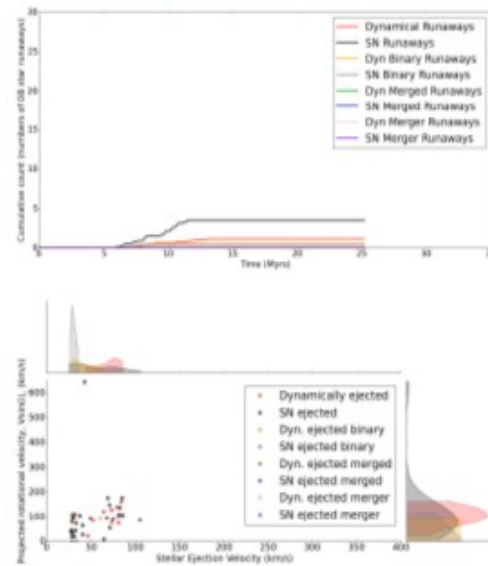


Figure 2. *top panel*: OB-runaway population growth v time.
bottom panel: V_{esc} versus V_{ini} .

3.3 High density, primordial binary fraction

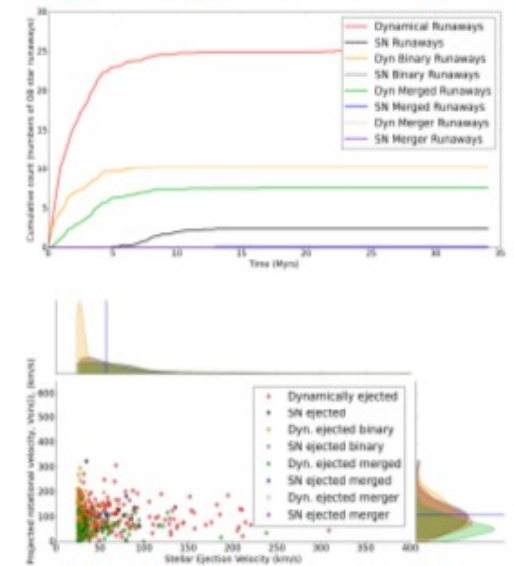


Figure 3. *top panel*: OB-runaway population growth v time.
bottom panel: V_{esc} versus V_{ini} .

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These plots definitely suggest:

“OB-runaways do provide a dynamical fingerprint”

Please do take a look, I hope you'll agree

Feel free to ask any questions

Thank you for listening!