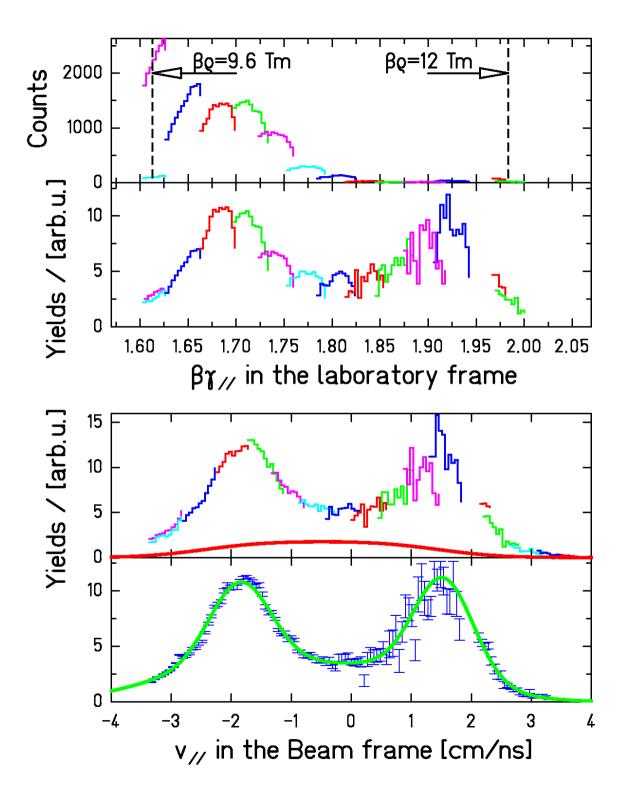
Signature of binary break-up in the production of light particles in spallation reactions

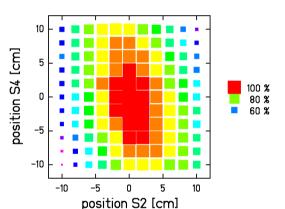
P. Napolitani a;b)

- a) GSI Germany
- b) IPN Orsay France



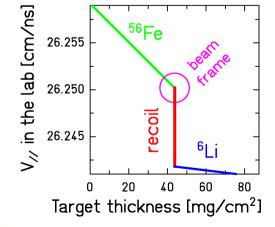
Measurement of the velocity of ⁶Li emitted from ⁵⁶Fe+p at 1 A GeV

- Several settings \Rightarrow several $\beta \rho$.
- Transmission related to ion-optics.



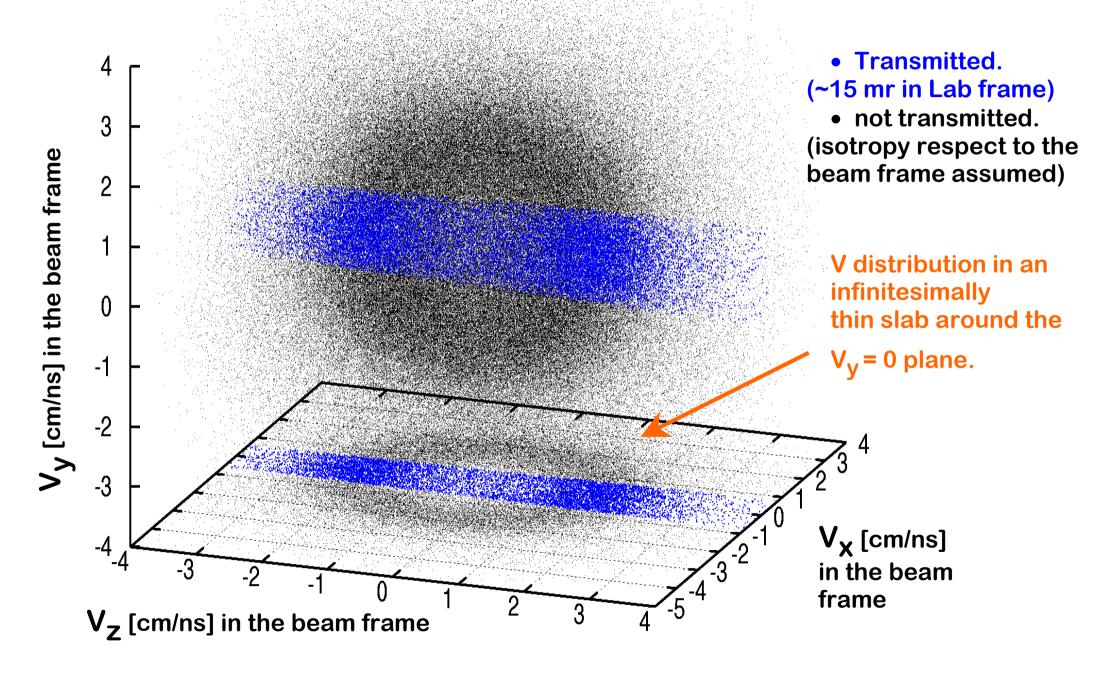
(J. Benlliure, J. Pereira-Conca, K.-H. Schmidt N.I.M. A 478 (2002) 493-505)

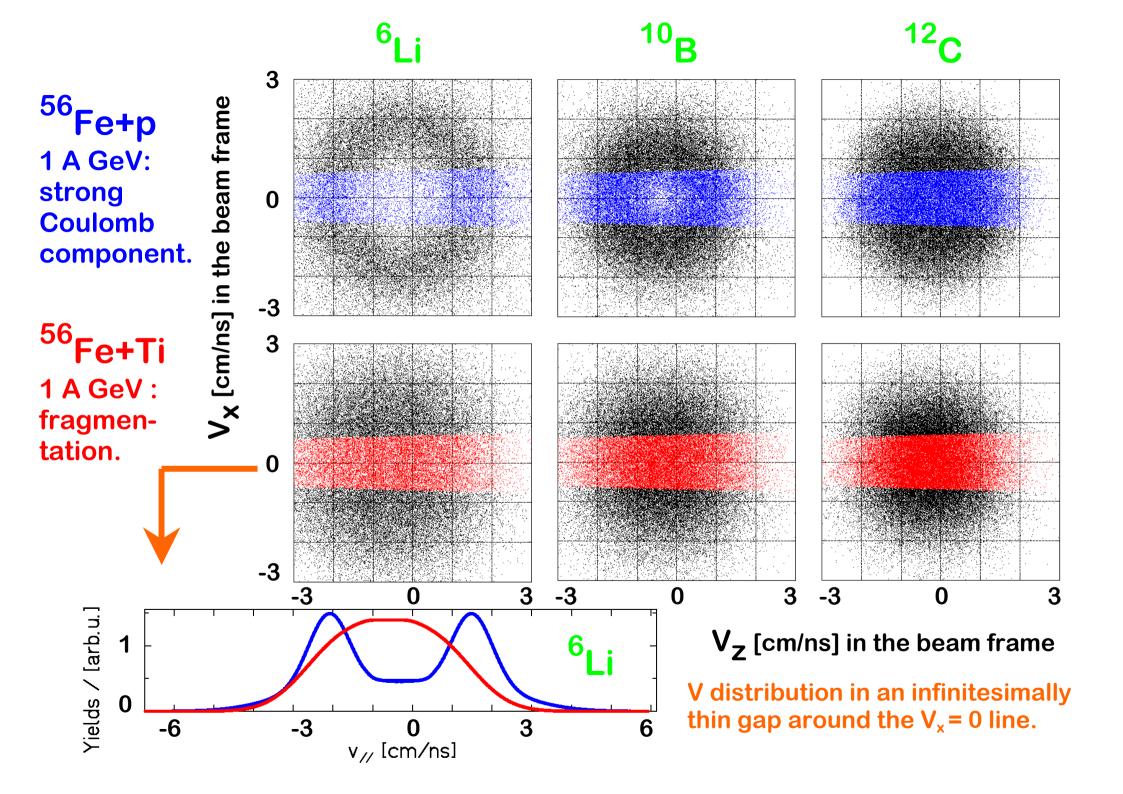
Lab frame
⇒ beam
frame.

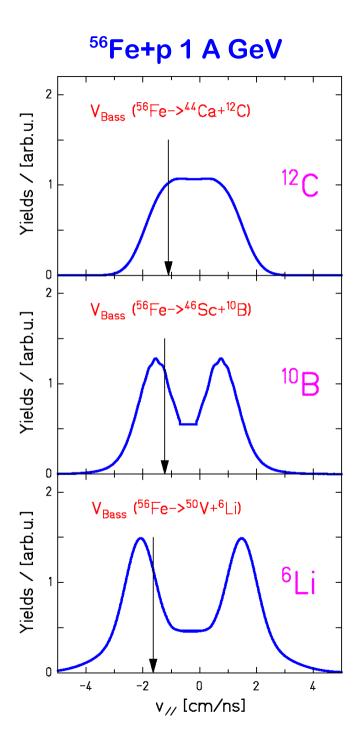


Ti "container" contribution.

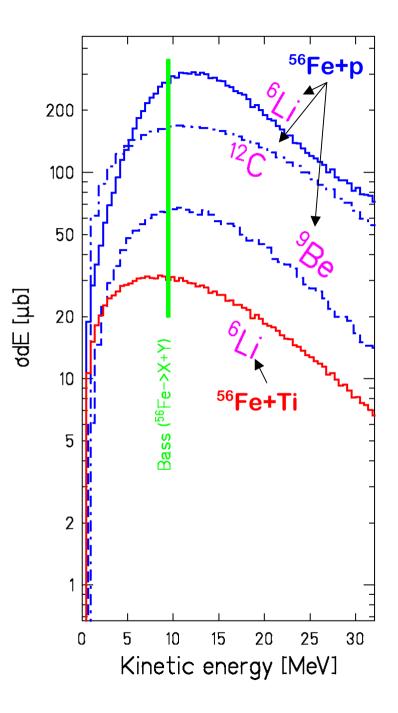
Reconstruction of the velocity distribution of ⁶Li emitted from ⁵⁶Fe+p at 1 A GeV



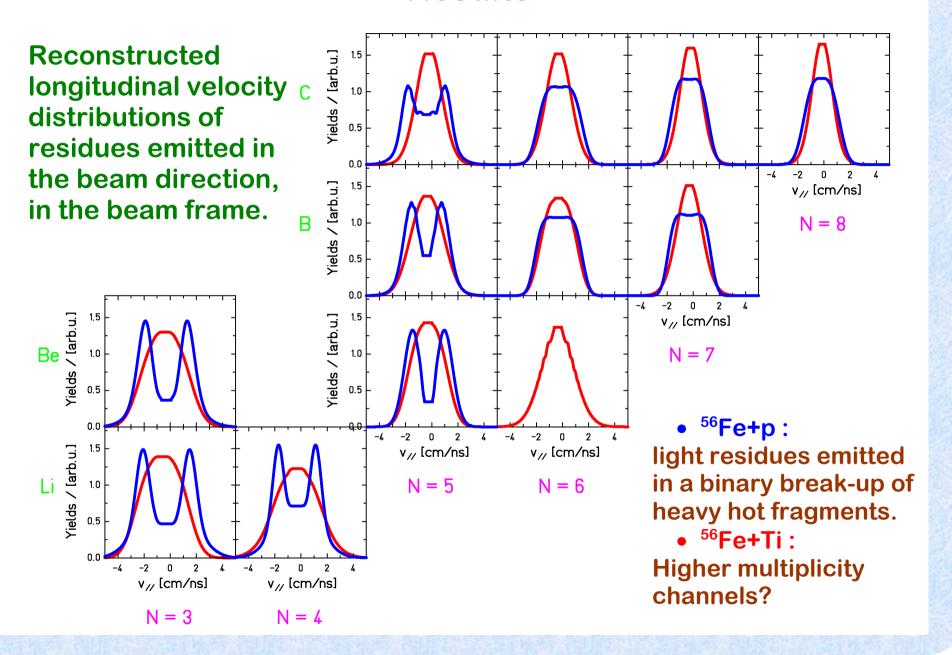




⁵⁶Fe+p 1 A GeV: Light residues are emitted from a heavy source.



Results



Perspectives

