

EMC Background

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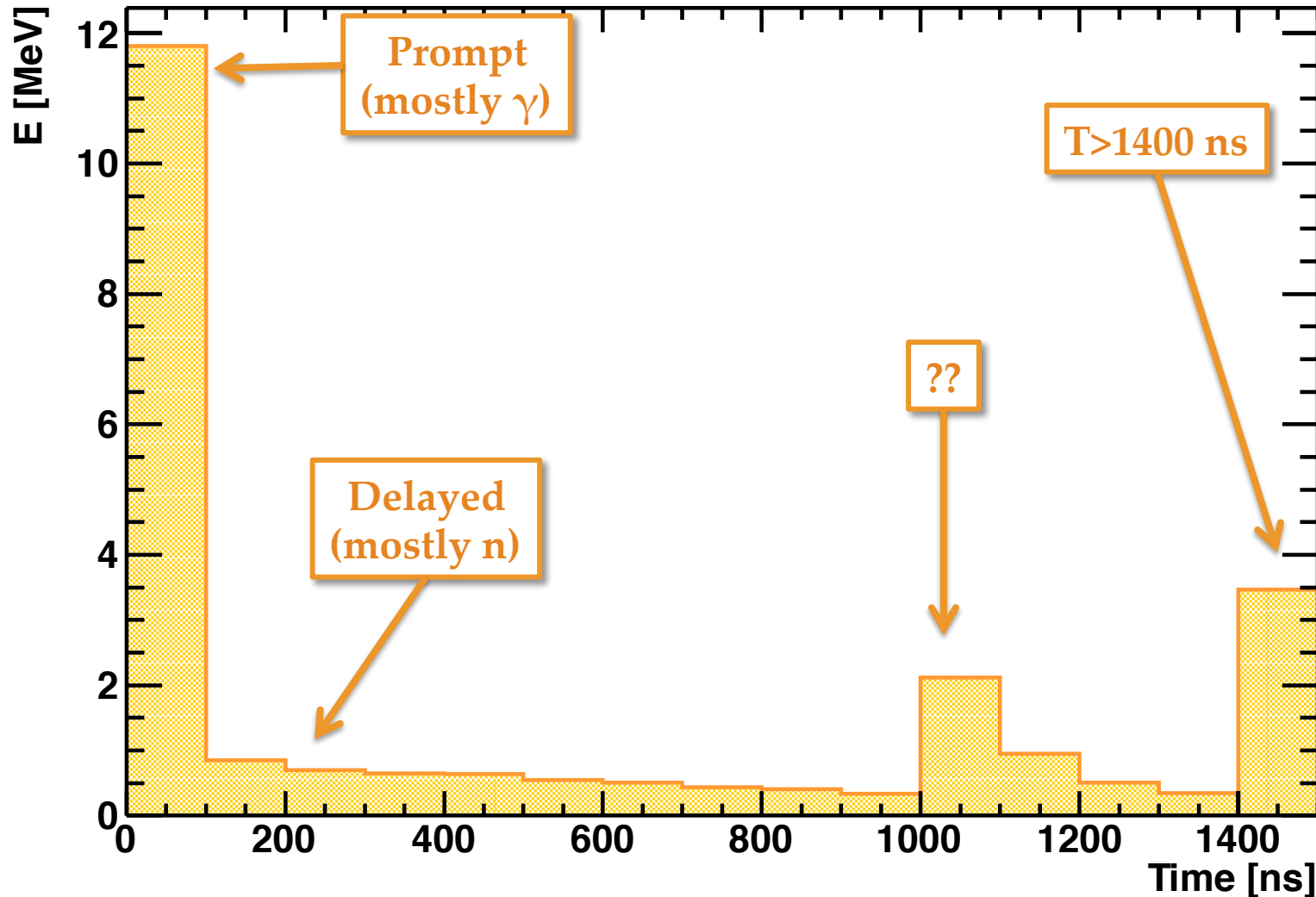


Outline

- Resolution analysis with time bins ongoing
- Look Energy deposit in Time Bins
 - Edep vs Time
 - Energy/Ring/Theta vs Time Bins
- Compare Shields
- Compare Backgrounds

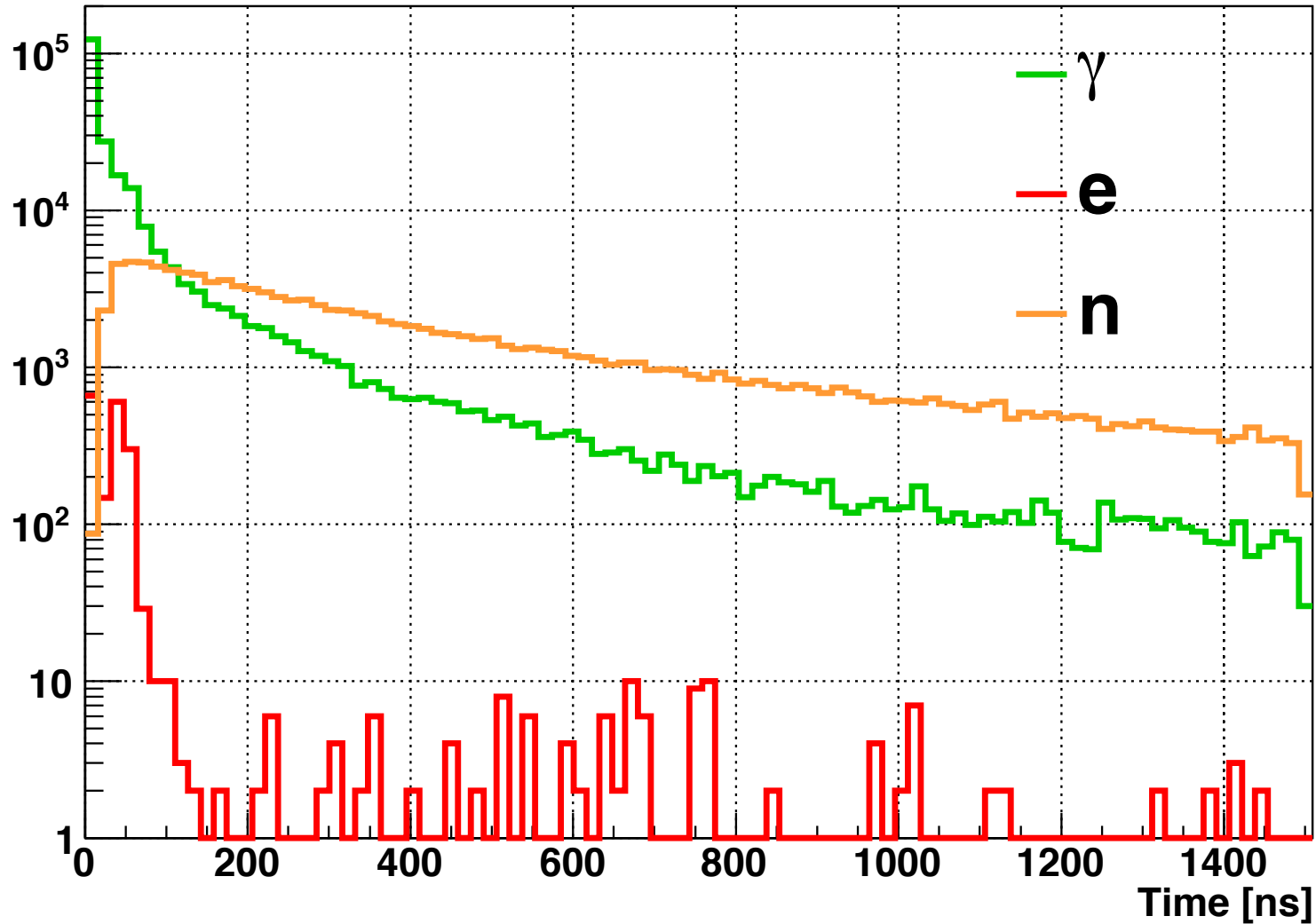
Deposited energy vs Time

Rad BhaBha



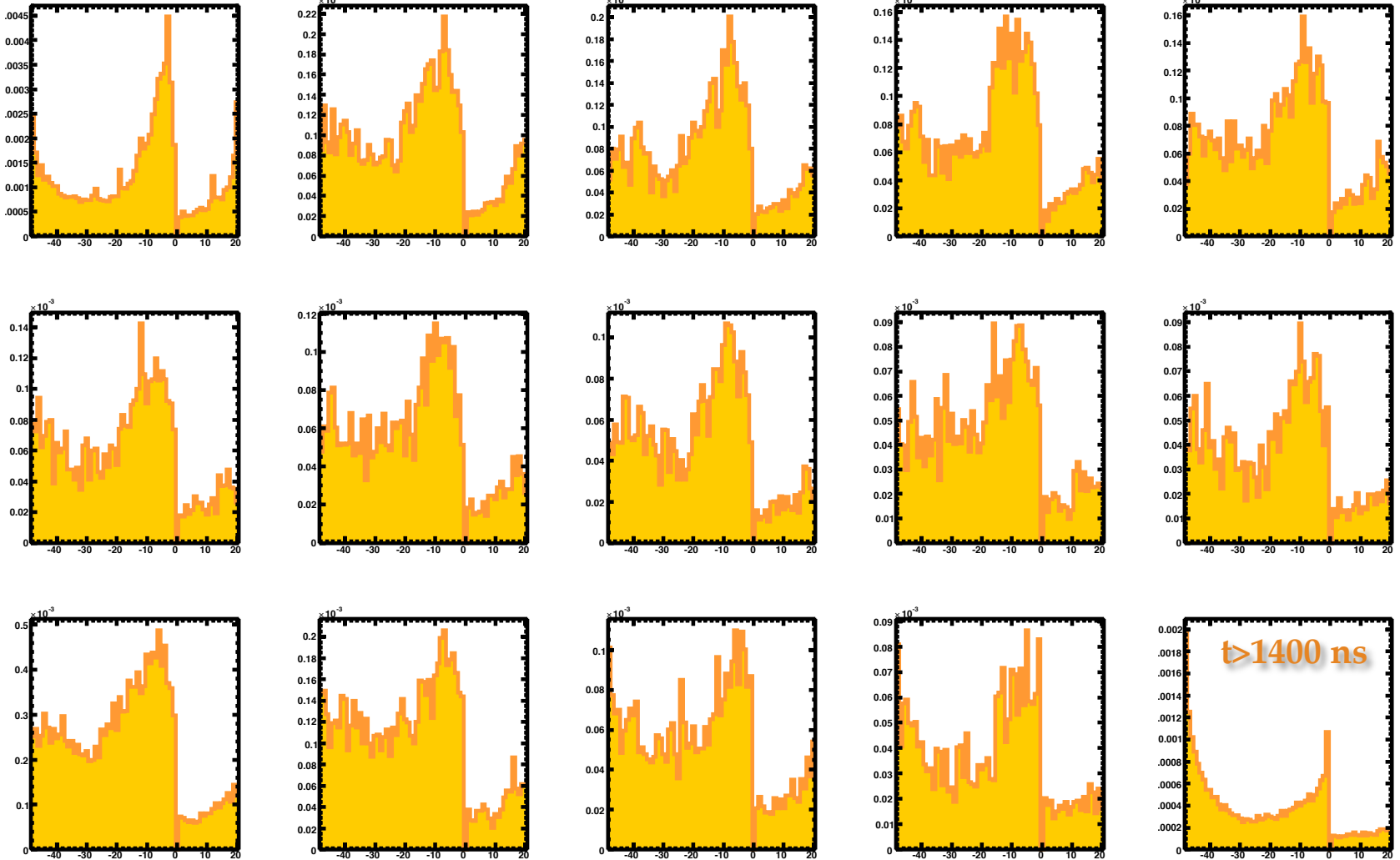
EMC Boundary Time

Rad BhaBha

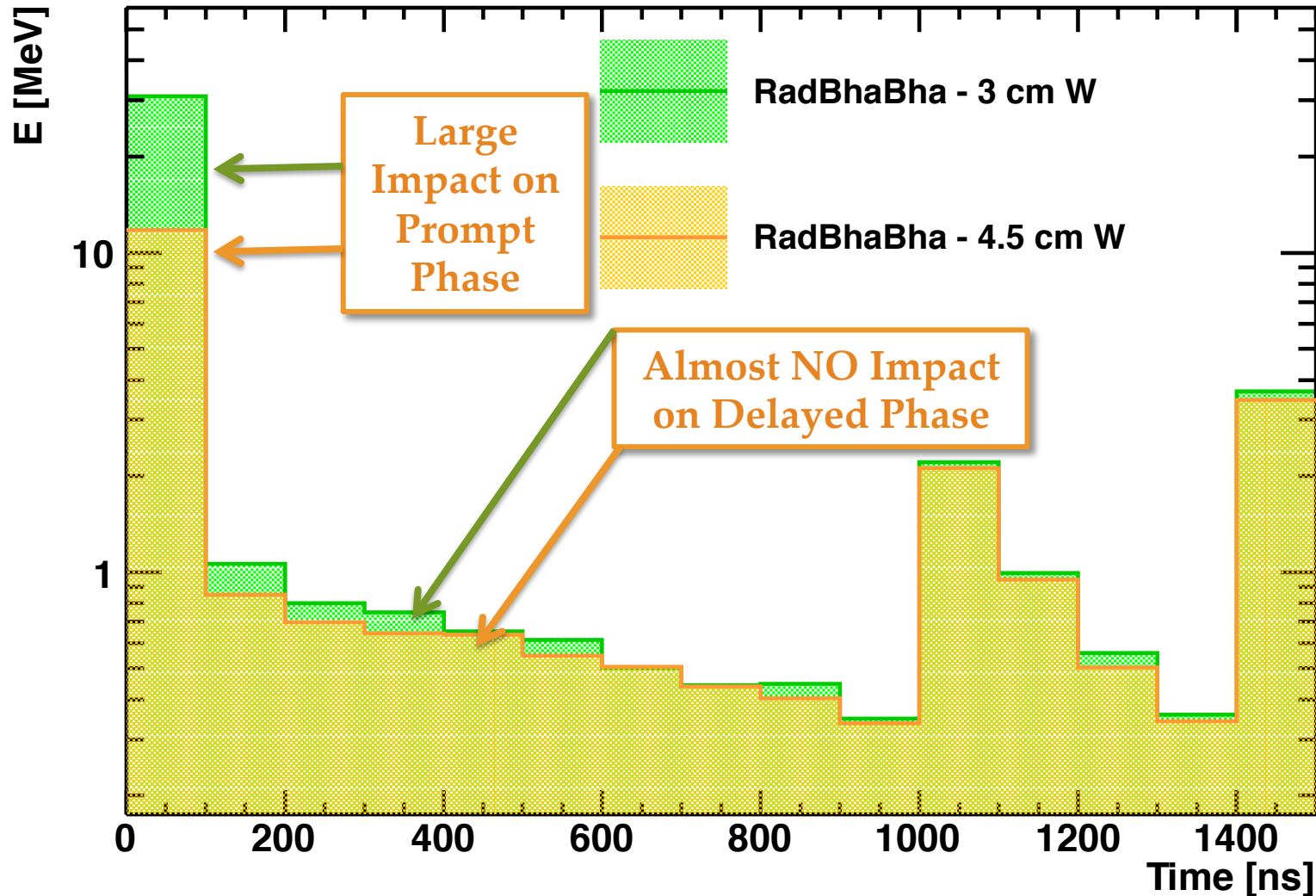


Energy vs Theta vs Time Bin

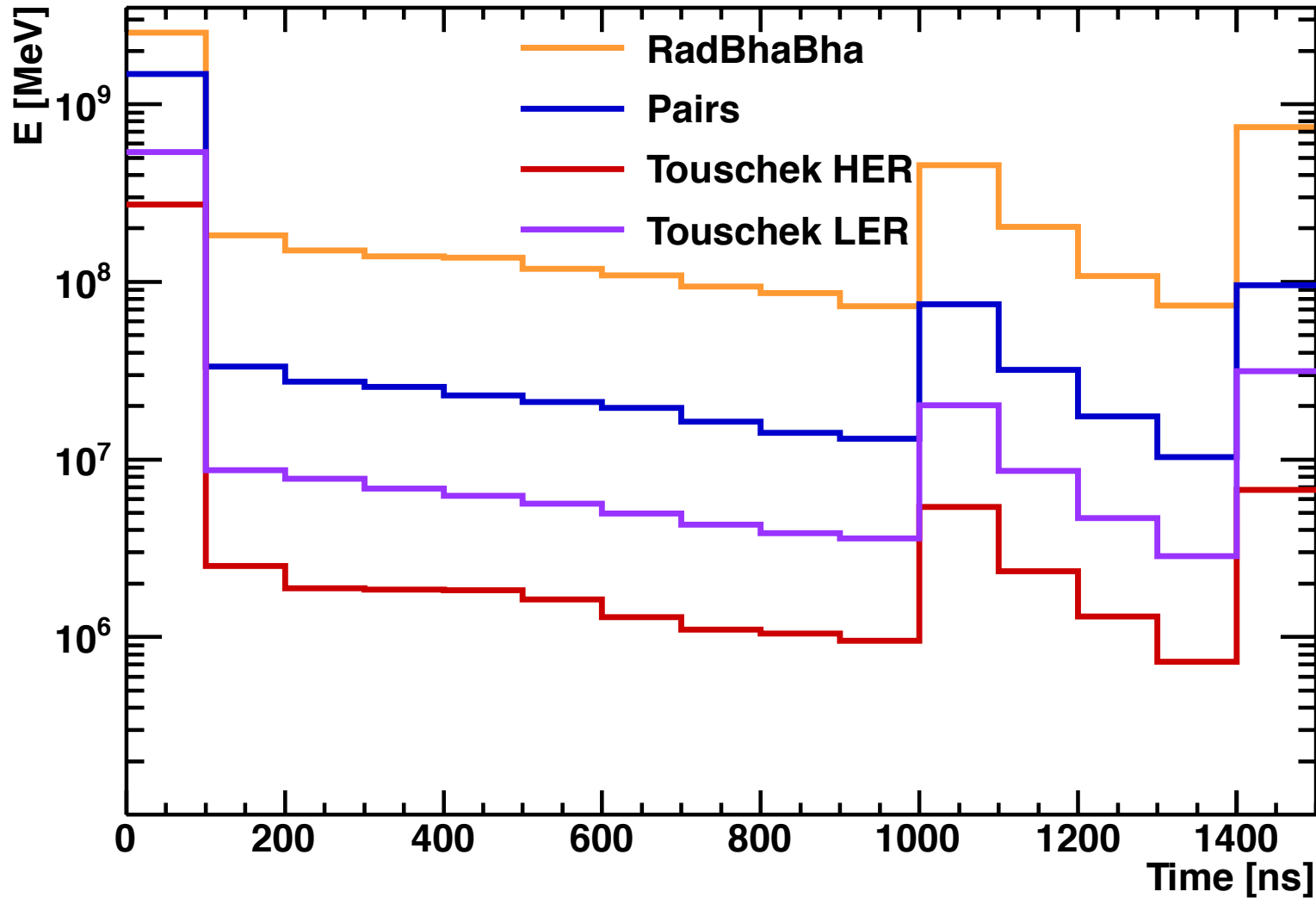
Rad Bhabha



Time Bins vs Shield

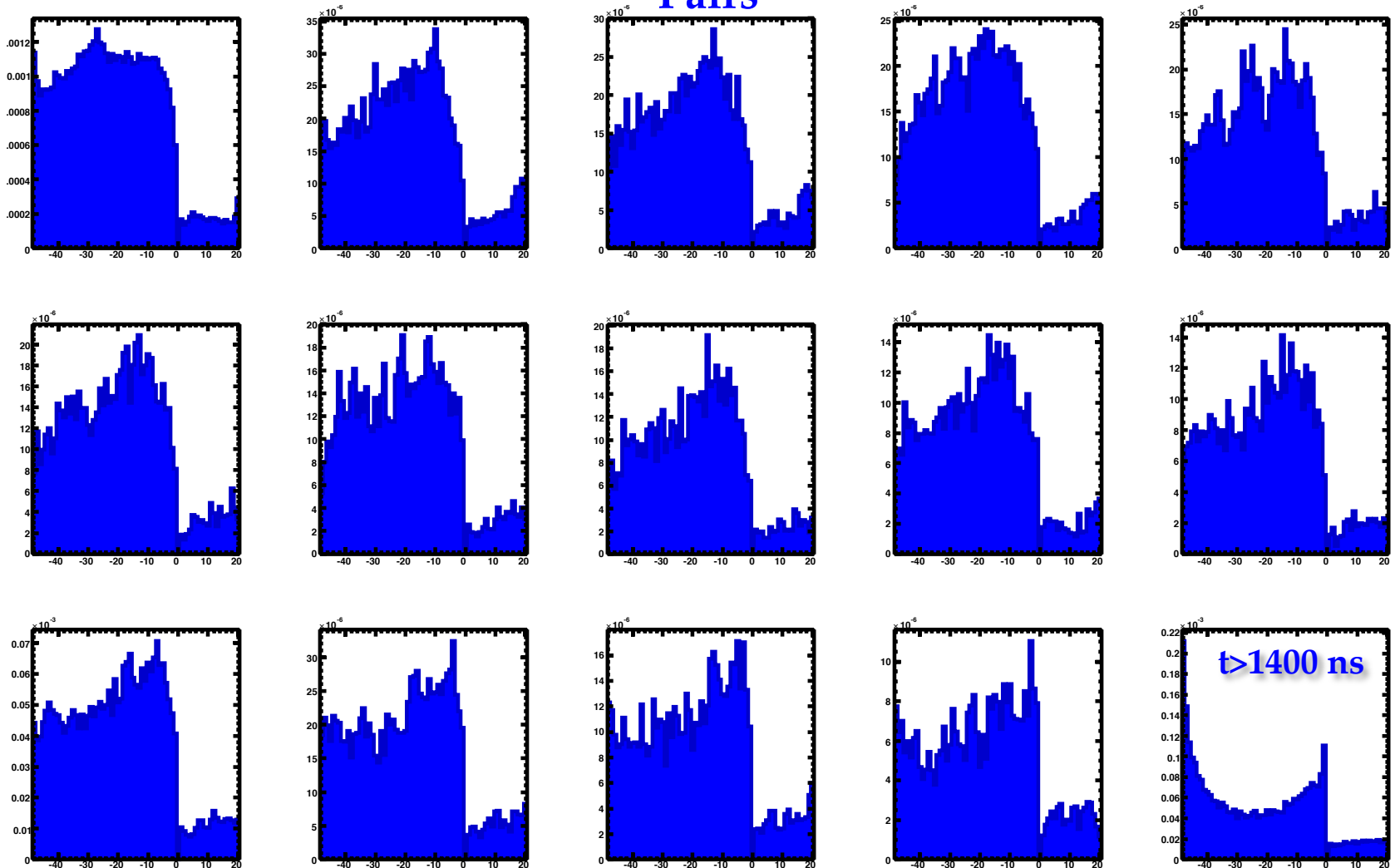


Time Bins vs Background



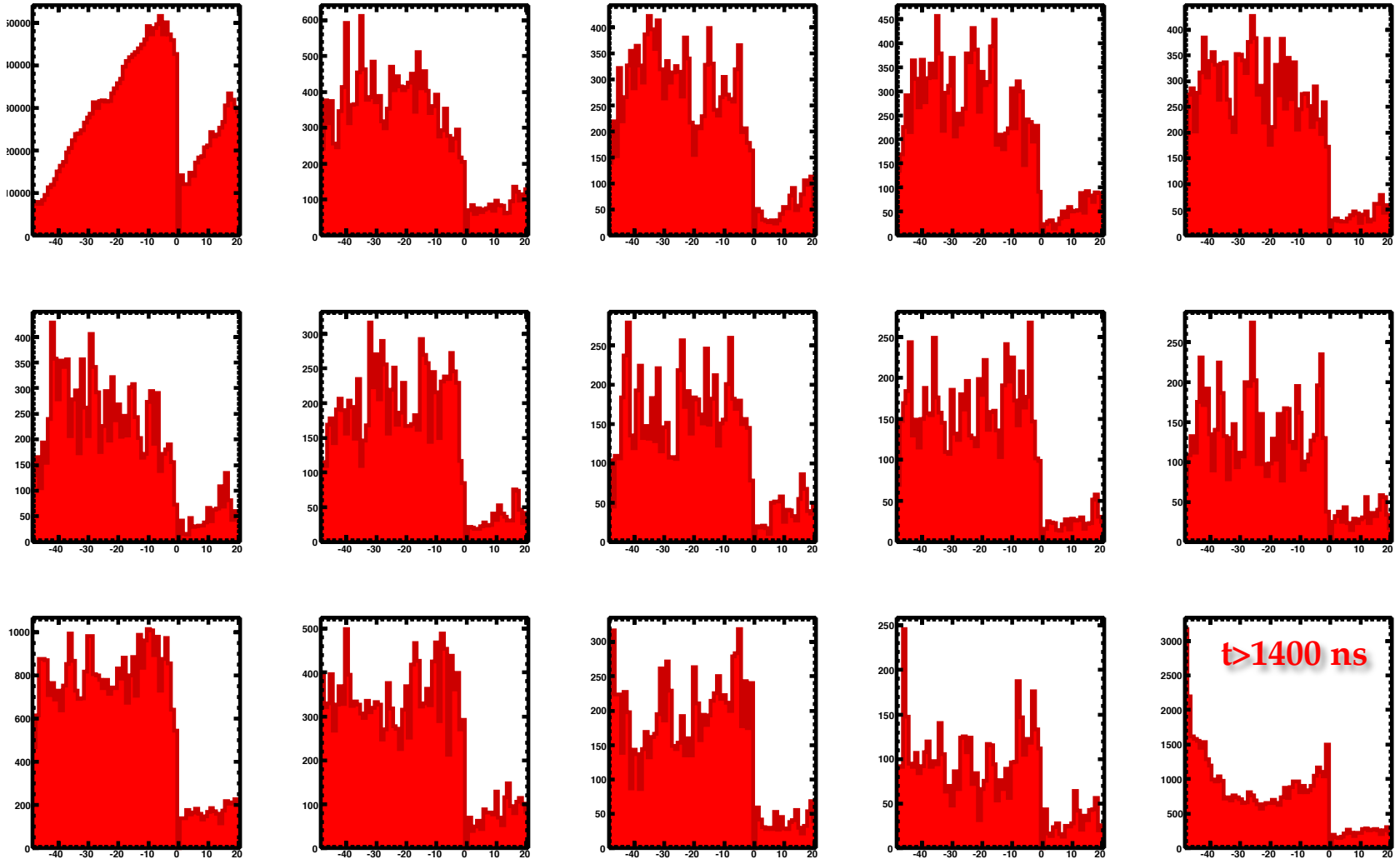
Energy vs Theta vs Time Bin

Pairs



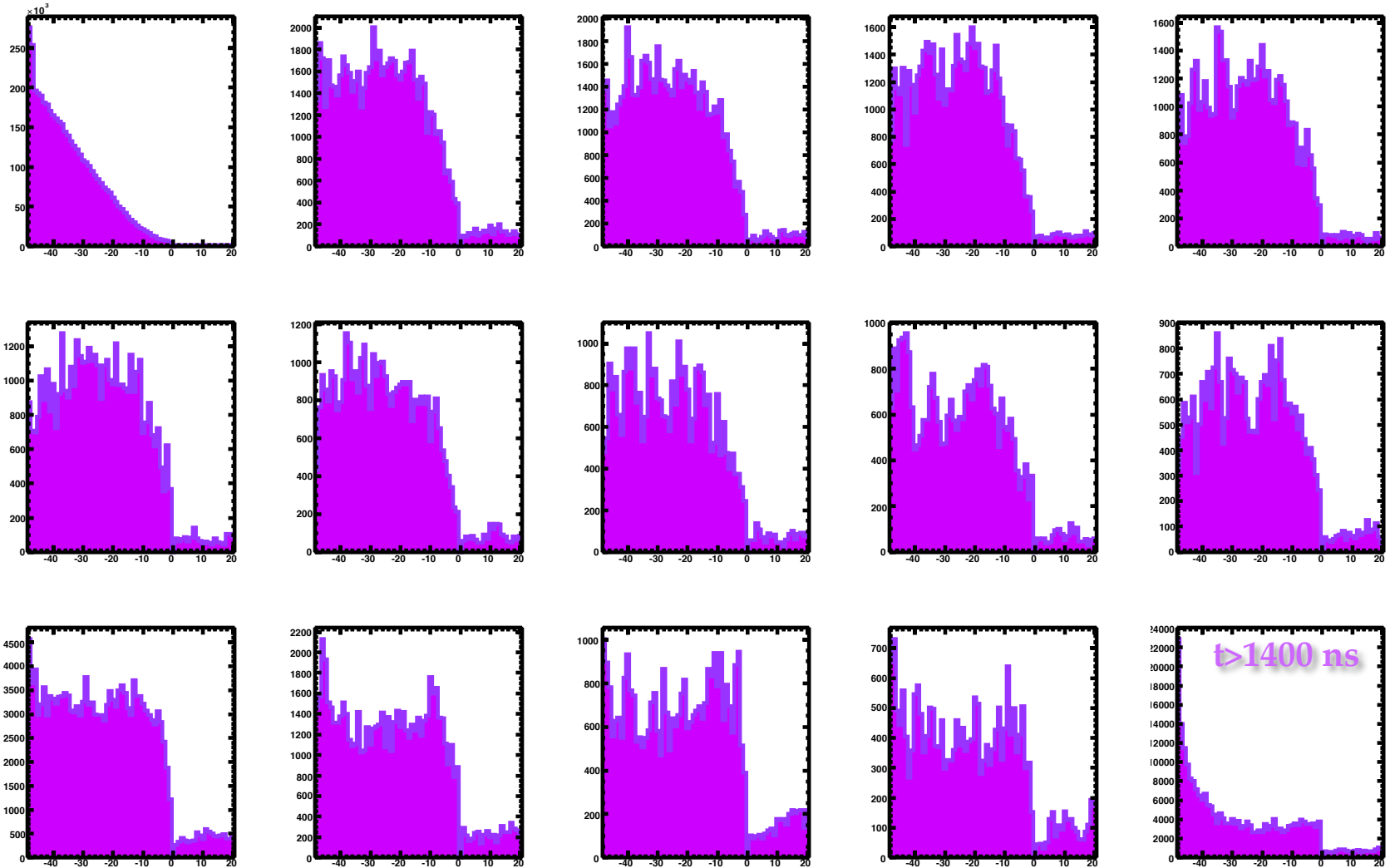
Energy vs Theta vs Time Bin

Touschek HER



Energy vs Theta vs Time Bin

Touschek LER



Conclusions

- Energy deposit time structure
 - Prompt phase
 - Delayed with slow decay
 - Strange structure after ~ 1000 ns
- Energy vs Ring vs Time
 - After some time (100-200 ns) shape tends to be similar for all backgrounds
 - On the long term ($t > 1400$ ns) large contribution in backward direction
- Additional shielding should maybe focus on neutrons
 - Further studies needed for EMC