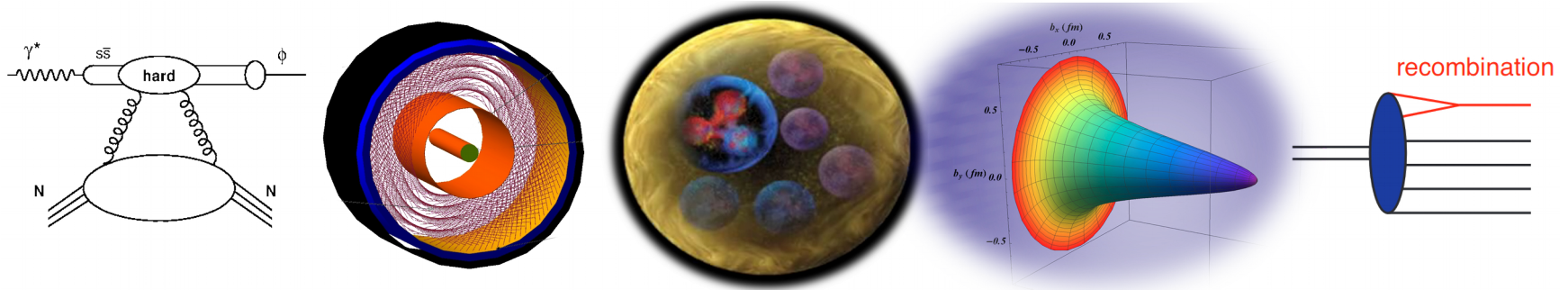


Detector Matrix from the Exclusive Reaction Working Group



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We will highlight here only the aspects where we have requests

- All the rest is considered satisfying for us

Few areas remain a bit unclear

- We need more input from the detector groups
- Sometimes we will also need further analysis on the physics side

Extension of the acceptance at low η

- Would significantly improve DVMP studies (J/ψ and Y)
- Mostly important in highest energy configuration
- Any gain would help, going to -4.5 like Ecal would be ideal

What is the minimum momentum detectable?

- This value might impact DVMP for lighter mesons

Other aspects like resolution and X_0 appear sufficient

Separation between π^0 and γ need to be clarified

- The detector must strongly depends on angle and energy
- We have only partial information on this question
- On our side we need to clarify our needs as well

Resolution of ECal in the forward region appear low

- Some studies suggest we might have a lot of activity even in the forward detector
- We are concerned by the low resolution there, more detailed studies are needed on our side as well

We need larger HCal coverage for Jet studies

- Exclusive di-jet production is promising but would necessitate a much larger coverage in pseudo-rapidity
 - *Ideally we would like from -4 to 4*
- We understand that the resolution numbers should be refined we would need these refined numbers to progress as well

Muon detectors would very useful

- Mainly in the barrel and backward region
 - *Barrel only would not help much*
- Important to improve resolution of DVMP measurements

Forward Auxiliary Detectors

We need neutral particle detection at 0 degree

- Not just neutrons, but also the photons
- This is necessary to suppress incoherent events
- High granularity and resolution are very important there

Proton spectrometer

- We would appreciate a clearer view of the acceptance in this area
 - *What is covered by B0 sensors, Roman pots, etc.*
 - *We need to translate this in term of t coverage*
 - *It remains unclear for us how the acceptance changes for light nuclei*
- **The present values appear manageable**
 - *However, they do cut some of our distributions significantly*
 - *Any improvement will help, any degradation can have significant impact*
 - *Light nuclei DVCS appear the most demanding process in this area*