

Exclusive diffraction, photon- induced processes & 750 GeV resonance

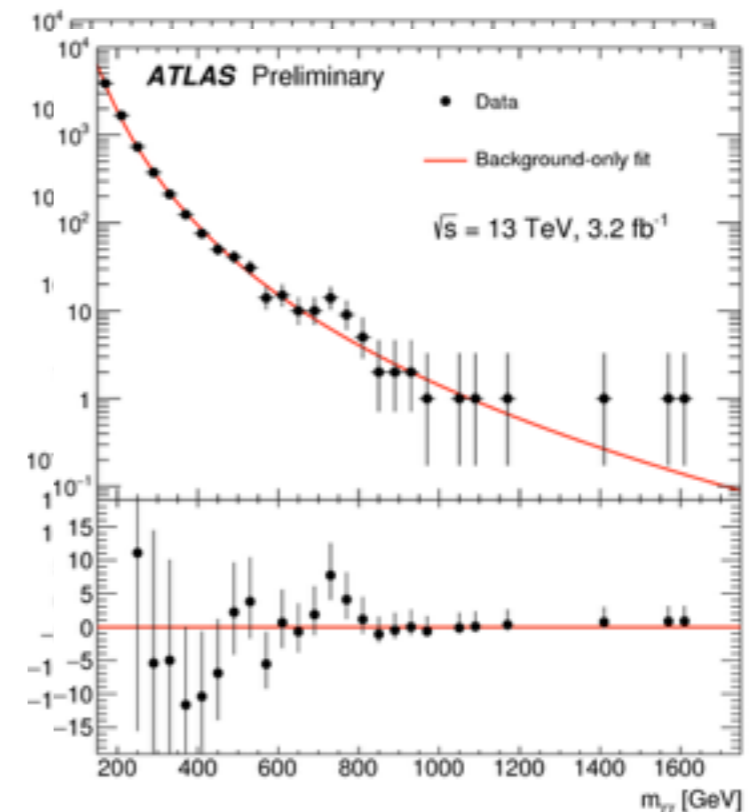
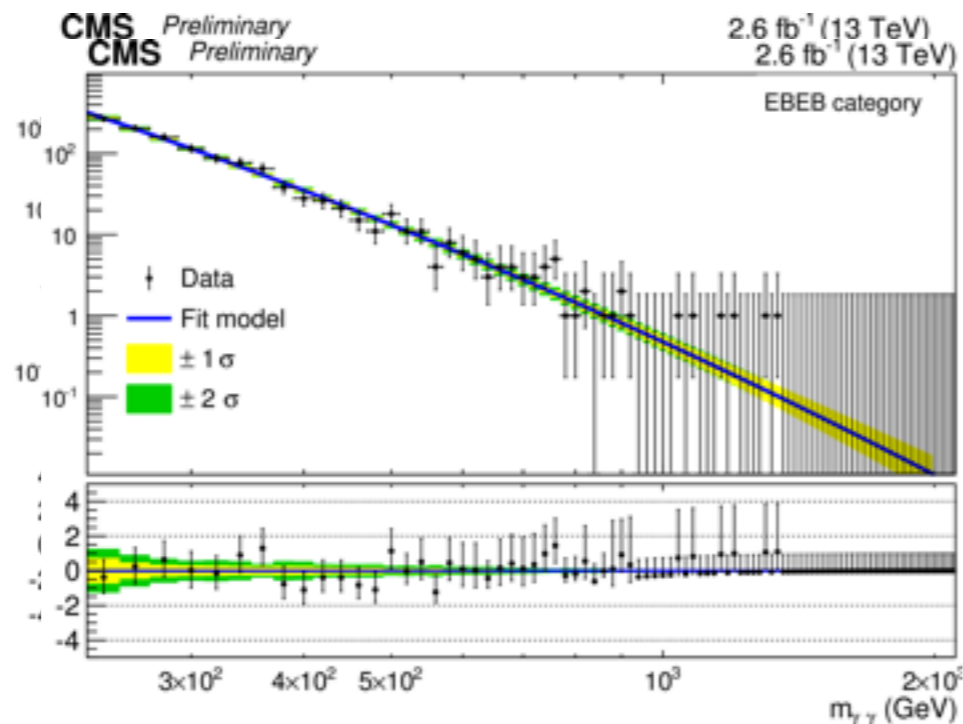
Discussion

Photon-initiated processes

- These QED processes are essentially unique in that the underlying physics is very well understood.
 - ▶ Exploratory physics: SM background very well known (anomalous coupling studies...) and often very small (750 GeV resonance).
 - ▶ Probe of photon PDF in semi-exclusive case.
 - ▶ Might be sensitive to gap survival effects.
 - ▶ Flux enhancement in heavy ions.
- Question: are all possibilities for these processes fully explored?

750 GeV resonance

- *If* exists and couples dominantly to photons, then a few exclusive events will demonstrate this.
- Tagged protons- e.g. spin-parity (competitive with inclusive techniques?).
- What else can exclusive channel give us?



- What else?