

chATLAS in Production

- Since public beta launch ~2 weeks ago, there have been almost 1000 queries to the assistant
- Around 40% of these appear (from human inspection) to be decent answers
- The remainders are typically a refusal to answer due to lack of context, meaning that our retrieval system needs to be improved
- Already see improved context using Maximal Marginal Relevance retrieval
- Exploring:
 - More sophisticated automatic prompt generation
 - Passing query through ATLAS glossary
 - More physics-friendly embedding models

748	How can I download a file with Rucio ?	To download a file with Rucio, you can use the following command: ...
749	Are you working?	The provided context does not contain specific information about wh...
750	How can I store my analysis data at BNL ?	You can store your analysis data at BNL by utilizing the BNL-OSG2_GR...
751	how can	I'm sorry, but the question seems to be incomplete. Please provide m...
752	how can I add roofitpoi	I'm sorry, but the provided context from the ATLAS documentation an...
753	how can I add a poi in roofit	I'm sorry, but the given context does not provide information related...
754		What analysis was performed on the 2010 data in the ATLAS experime...
755	How much data did we take in the year 2015?	Based on the available context, the document does not provide inform...
756	What isolation working points are available for single lepton tri...	The available isolation working points for single lepton triggers includ...
757	how to create an elementlink to an electron	To create an ElementLink to an electron, you can follow the example p...
758	What is the Zprime particle in BSM theory?	The Zprime particle in BSM (Beyond the Standard Model) theory is a h...
759	In a Tag and Probe trigger, how is the topo cut (e.g. 03dRAB) us...	The information provided in the available context does not specifically...
760	In a Tag and Probe trigger, what happens if the probe leg fails ...	If the probe leg fails all hypothesis steps in a Tag and Probe trigger, it...
761	In a Tag and Probe trigger, what happens if the probe leg fails ...	In a Tag and Probe trigger scenario, if the probe leg fails all hypothesi...
762		What analysis was performed on the 2010 data with 33pb ⁻¹ , and wh...
763	What are the main features of Atlas Inner Detector ?	The main features of the ATLAS Inner Detector include: - Improved ge...
764	What are coherent prescale sets?	Coherent prescale sets are groups of triggers within the ATLAS experi...
765	Describe coherent prescale sets	Coherent prescale sets, also referred to as prescaler groups, were intr...
766	How long would it take to generate 1 million full simulation ev...	Based on the provided context, it is not possible to determine how lo...
767	How long does the ATLAS fast chain event simulation take, per ...	Based on the provided context, the document mentions that the ATLA...
768	How long does a full delphes simulation of one full pileup even...	Based on the provided context, it is not specified how long a full Delp...
769	How long does a full delphes simulation of one full pileup even...	Based on the available context, I cannot provide a specific answer to y...
770	For a run of the ATLAS experiment, how can I check if a defect ...	To check if a defect assigned to a run for data quality purposes is tole...