

Request for Regional Production

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For the SM/Higgs Physics Forum



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Essence of Request

- ✚ To enlarge existing samples made by central production
 - Complement production quotas of corresponding ATLAS SM and Higgs working groups
- ✚ Official request from SM/Higgs physics forum
 - These request is coordinated with the conveners of the ATLAS CSC notes. These notes have strong US ATLAS participation
- ✚ Critical issue is allocation of the necessary Storage Elements by US ATLAS
 - The present request comprises of <3.5 M (see details below) corresponding to <10 Tb of storage

Request for SM

✚ W,Z+jets with loose cuts (~50K events per sample, 1.1M)

6101 W->enu+0jets

6102 W->enu+1jets

6103 W->enu+2jets

6104 W->enu+3jets

6105 W->enu+4jets

6106 W->enu+5jets

6107 W->munu+0jets

6108 W->munu+1jets

6109 W->munu+2jets

6110 W->munu+3jets

6111 W->munu+4jets

6112 W->munu+5jets

Ian reminded us that the quota of the MC group has been enlarged and part of these samples can be done under it.

Ibid for Z->ee, runs 8130-8135,
ibid for Z->mumu, runs 8142-8147

Request for Higgs (2.4M)

+ Run 6379, gamma-jet with asymmetric cuts, 1M (already running)

➤ French Tier1 has agreed to take 1M

+ Enlarge Z+jets with tight VBF cuts

8138	Z- \rightarrow ee+2jets	150K
8139	Z- \rightarrow ee+3jets	100K
8140	Z- \rightarrow ee+4jets	50K
8141	Z- \rightarrow ee+5jets	50K

8150	Z- \rightarrow mumu+2jets	150K
8151	Z- \rightarrow mumu+3jets	100K
8152	Z- \rightarrow mumu+4jets	50K
8153	Z- \rightarrow mumu+5jets	50K

8162	Z- \rightarrow tautau+2jets	150K
8163	Z- \rightarrow tautau+3jets	100K
8164	Z- \rightarrow tautau+2jets	50K
8165	Z- \rightarrow tautau+3jets	50K

+ Request run numbers with Z- \rightarrow tautau+njets with 2 lepton filter with same number of events (350K)