Non-Prompt J/psi Analysis

PbPb @ 5.02 TeV

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IFJ-ALICE Meetings

Activities -

- Plans with Filtering data for ML-Input

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- Plans with Filtering data for ML-Input

Challange:

- Big storage required
- Problems with Filtering on Grid

Details of our dstTrees :

- Period : LHC18r
- Size : ~ **4TB**
- V0 information is filled (V0 = K0s, Lambda, Anti-Lambda, Gammas)

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  But this information has no use in our Analysis (Ionut's suggestion)

Details of ~~our dstTrees~~ **New dstTrees**:

- Period : LHC18r
- Size : ~~**~ 4TB**~~ **~ 1 TB (approximate)**
- ~~V0 information is filled~~ (V0 = K0s, Lambda, Anti-Lambda, Gammas)

  V0 information Removed

Plan for filtering these trees:

alien:/

- Output of Legotrain here

alien:/

- Output of Legotrain here

CERNBox /eos

- **Storage-Capacity 1TB**
- **We will store our trees here**
- **Trees can be accessed on Lxplus**

alien:/

- Output of Legotrain here

Connection Bandwidth

~ 100 MB/s

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alien:/
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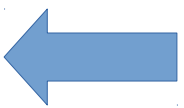
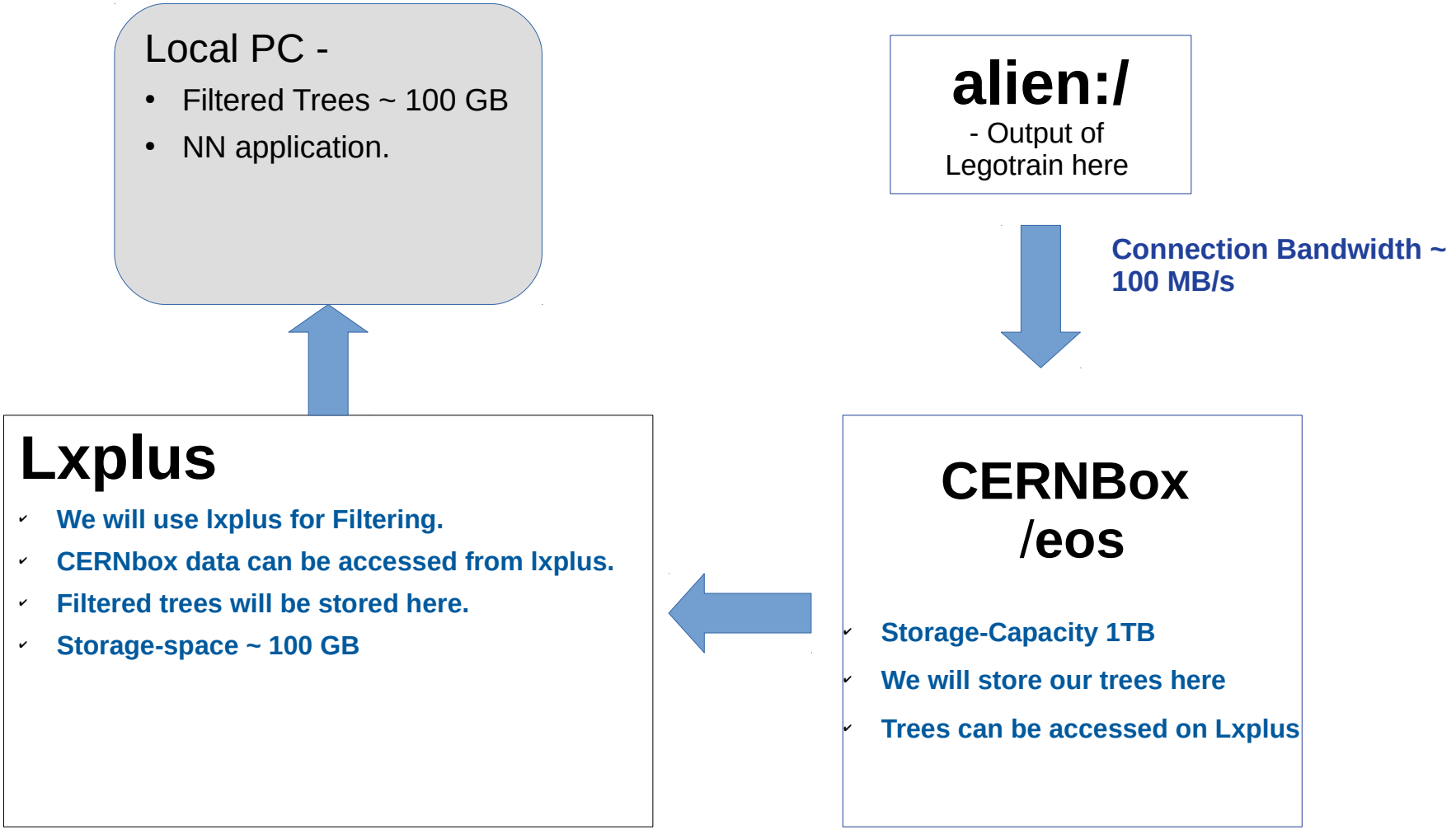


Lxplus

- We will use lxplus for Filtering.
- CERNbox data can be accessed from lxplus.
- Filtered trees will be stored here.
- Storage-space ~ 100 GB


Local PC -
• Filtered Trees ~ 100 GB
• NN application.
alien:/
- Output of Legotrain here
Connection Bandwidth ~ 100 MB/s
Lxplus
We will use lxplus for Filtering.
CERNbox data can be accessed from lxplus.
Filtered trees will be stored here.
Storage-space ~ 100 GB
CERNBox /eos
Storage-Capacity 1TB
We will store our trees here
Trees can be accessed on Lxplus

- We don’t need of Local-storage anymore.
- Tested this plan!