
A summary of the Polish scanning

- ◆ Samples of the data
- ◆ Results, comparisons ...
- ◆ A list of questions

Samples of the data

Ů Scanning in Pavia

* 720 events from runs 442, 483, 490, 630, 648, 705, 708, 709, 710, 757, 758, 779, 807, 951, 957, 965, 975

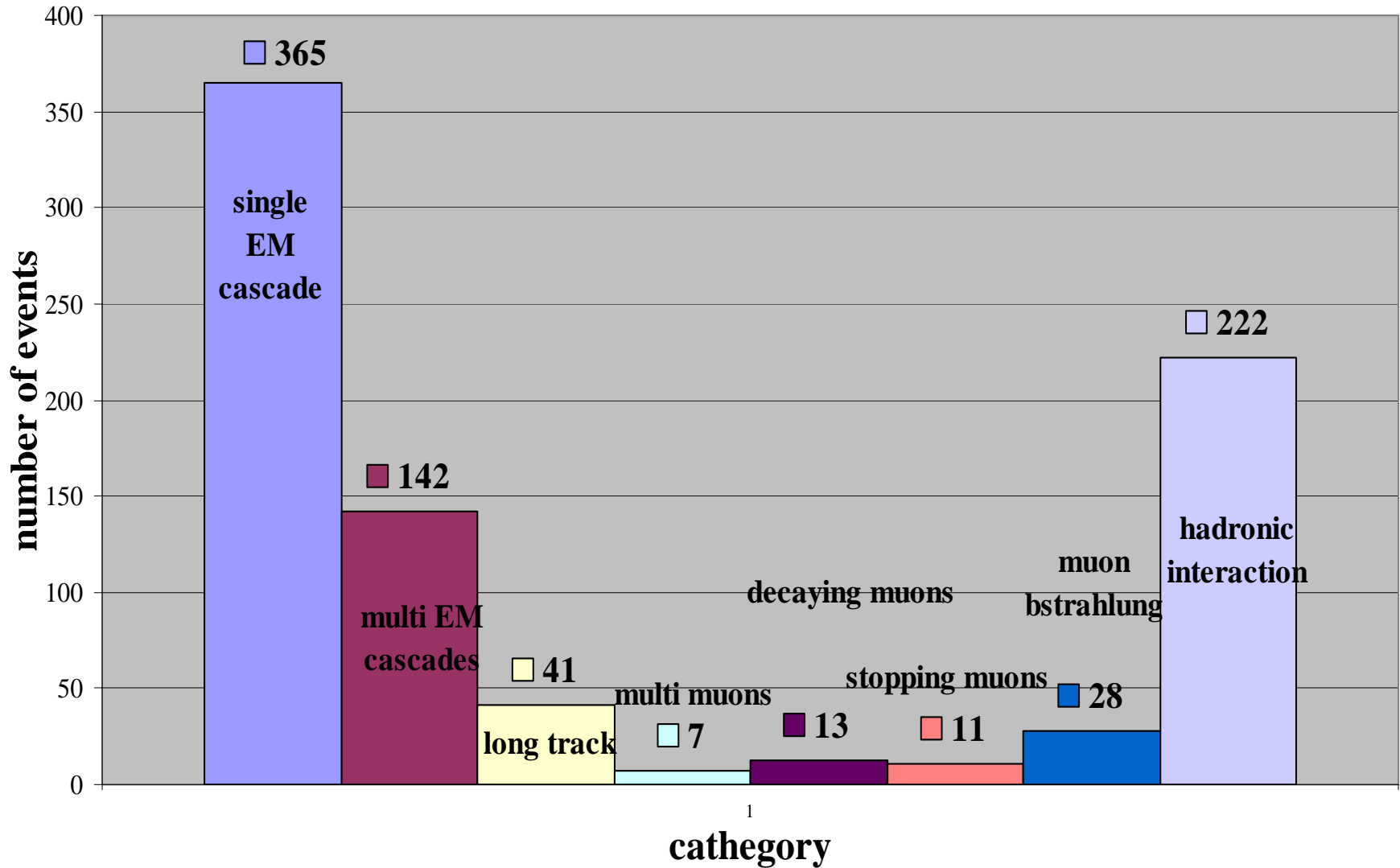
triggers PMT, majority 3, threshold at 400 and 500 mV

* additional two DLT tapes with raw data of the same type brought to Poland

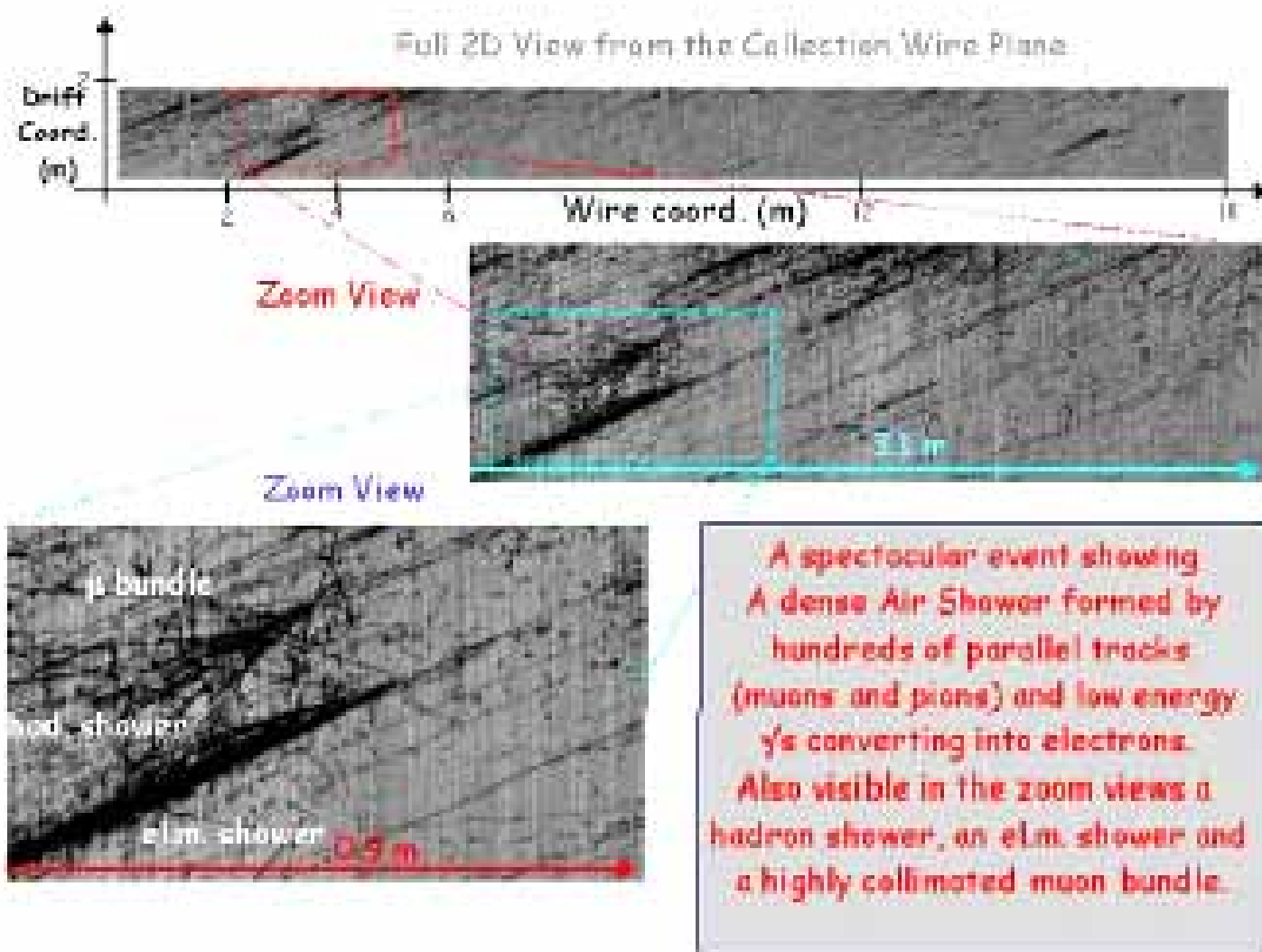
Ů **Scanning in Warsaw** - about 110 events from runs 757,975 and independent sample for the vertical and horizontal muons (scanning started in Gran Sasso)

Ů **Scanning in Cracow** - comparison with the Warsaw scanning for 54 events from run 975 - many questions concerning the classification criteria

M.Markiewicz, M.Szarska - scanning in Pavia of 720 events



Interpretation



A list of questions, doubts

- Ů What is a definition of a fiducial volume for scanning?
- Ů How do we define EM shower (starting from a certain length?), multiple showers
- Ů Muon bremsstrahlung (lower and upper limit)
- Ů Hadronic interaction vs hadronic shower ?
- Ů Do we perform an exact analysis of the hadronic interactions?
Decays, secondary interactions, EM cascades, V^0 s ?
- Ů What about events consisting of several small pieces of tracks?
Do we take them into account and to which extend?
- Ů Do we treat separately the left and right chamber?
- Ů If several items per image - Counting? Identification through values of coordinates?

Criteria depend on what does the scanning serve for.