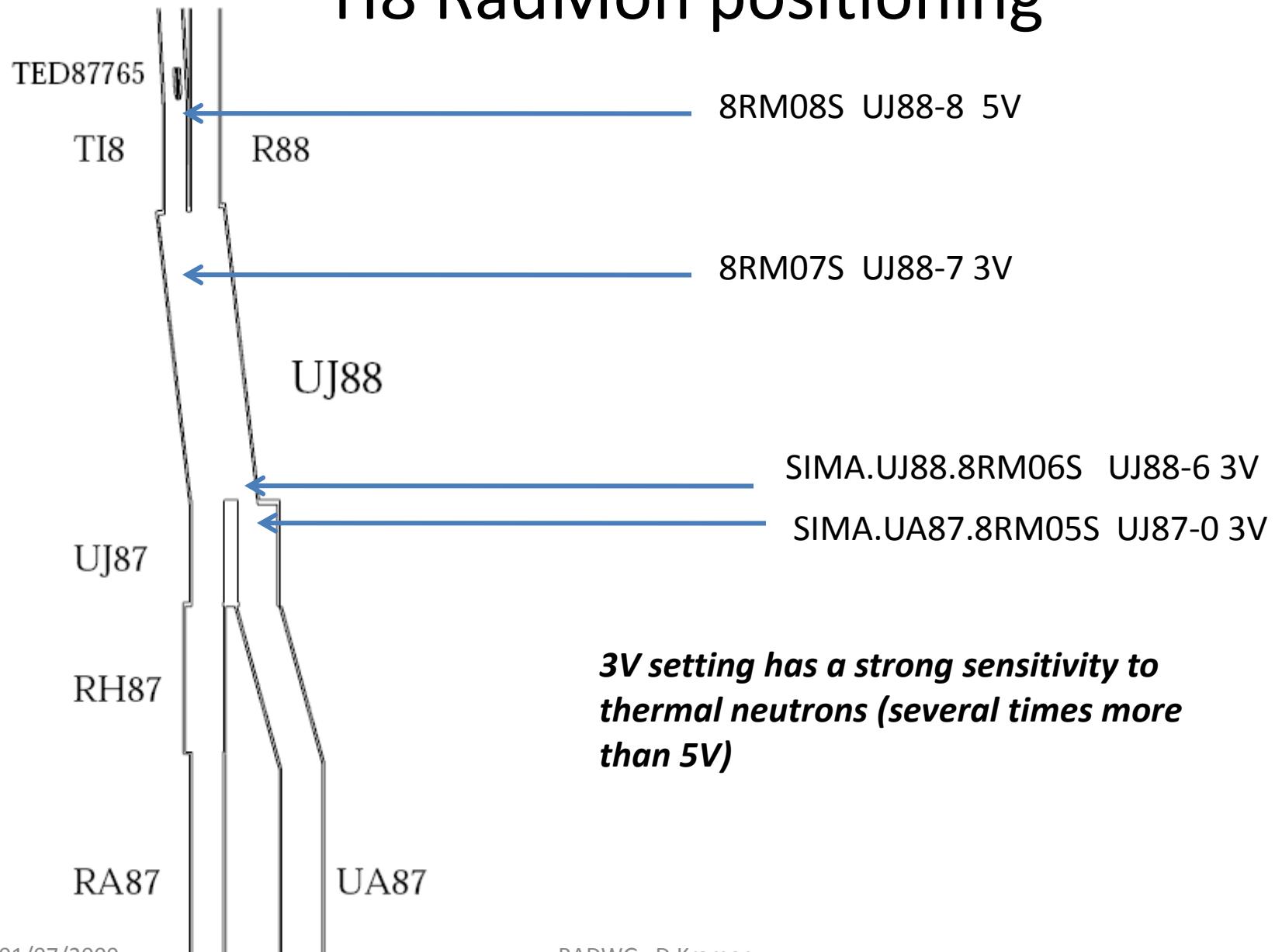


TI8 injection on TED test

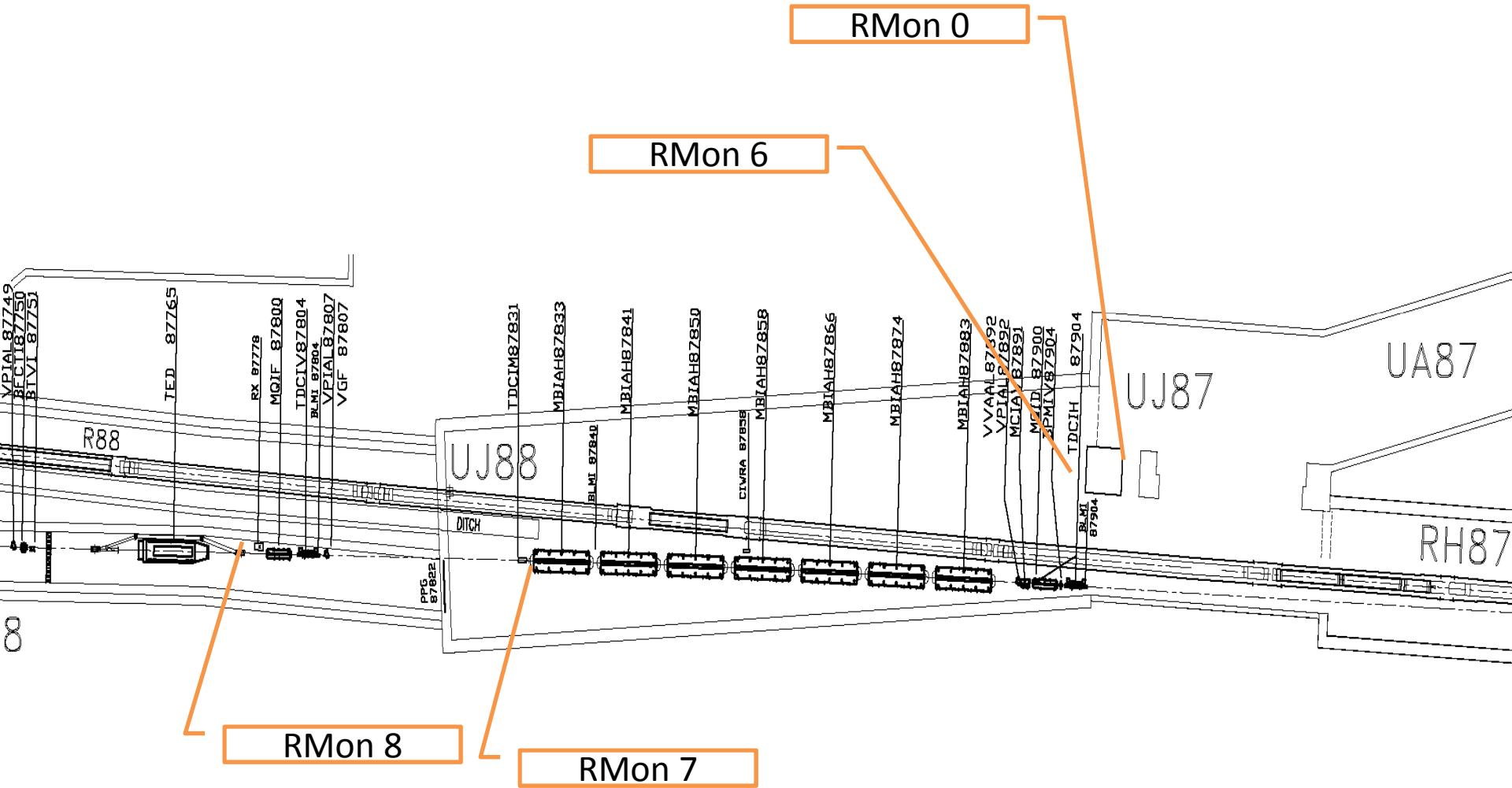
6 to 8 June 2009

RadMon measurements

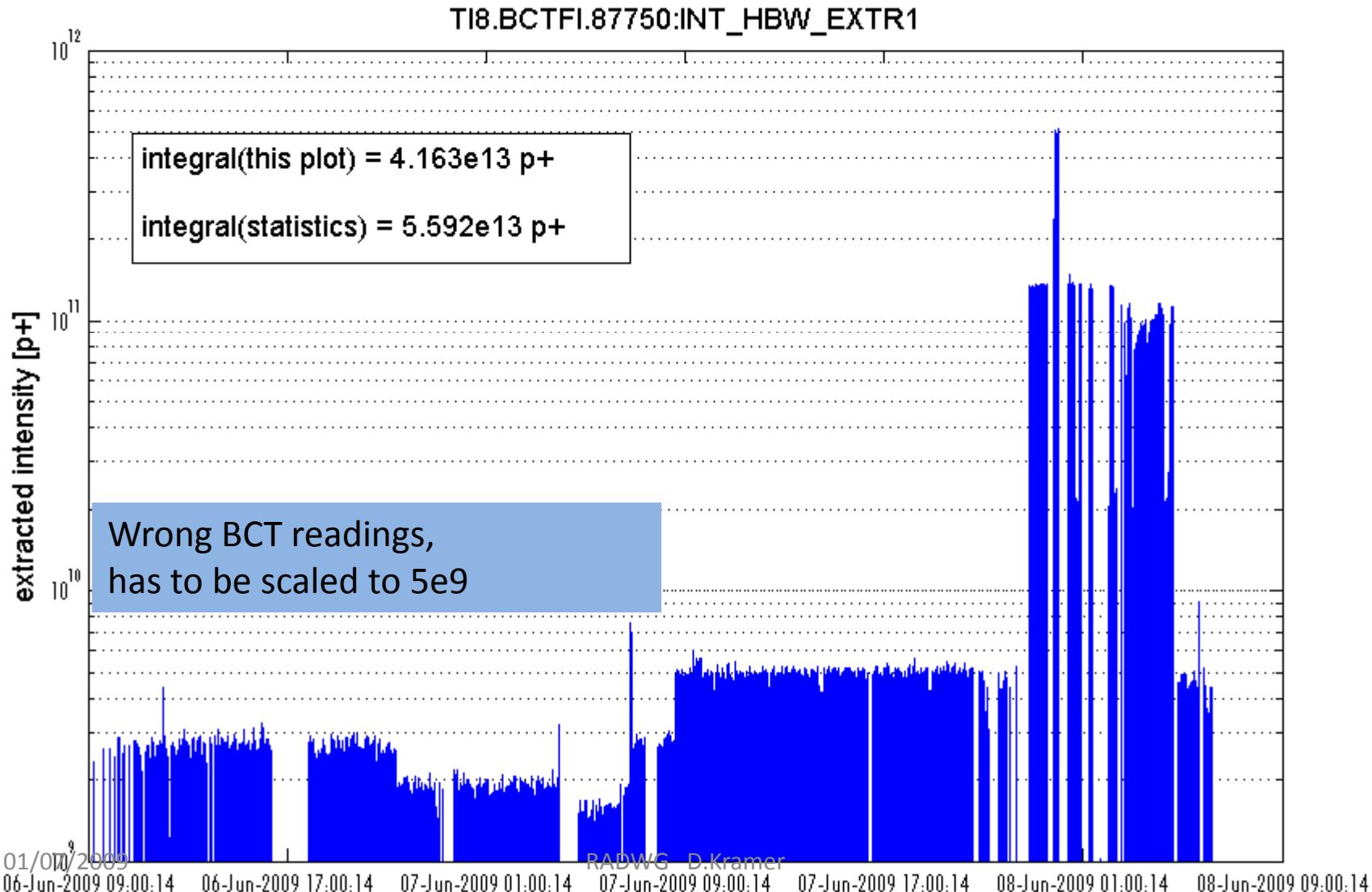
TI8 RadMon positioning



TI8 RadMon positioning



Beam intensity per extraction and integrated intensity



UJ88 and UJ87 Hadron>20MeV compared to BCT intensity per extraction

Integrated values

Hadrons>20MeV:

UJ88 – 8: $6.96 \times 10^9 \text{ cm}^{-2}$

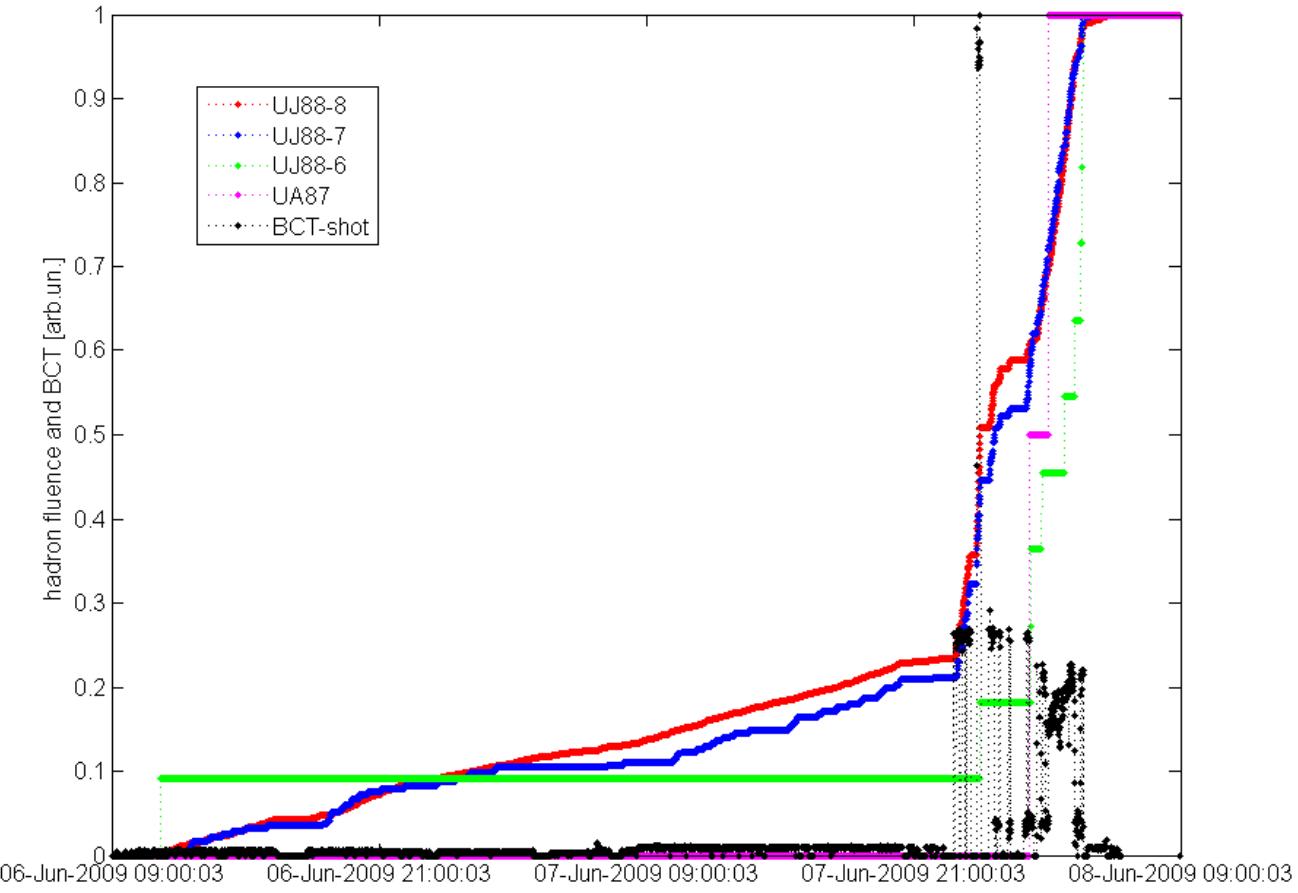
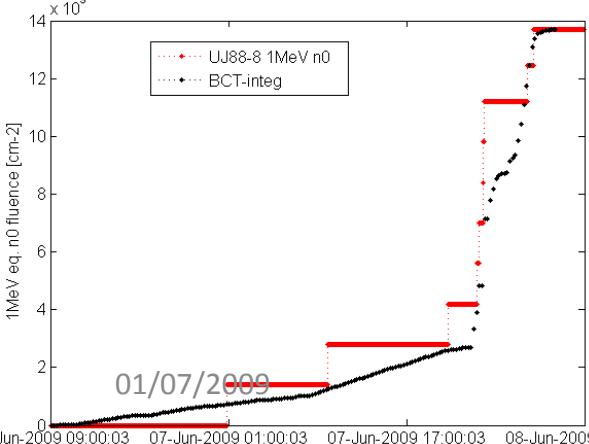
UJ88 – 7: $2.68 \times 10^8 \text{ cm}^{-2}$

UJ88 – 6: $9.32 \times 10^6 \text{ cm}^{-2}$

UJ87 – 1: $1.69 \times 10^6 \text{ cm}^{-2}$

1MeV eq. n^0 :

UJ88 – 8: $1.37 \times 10^{10} \text{ cm}^{-2}$



UJ88 and UJ87 Hadron>20MeV compared to BCT intensity per extraction ZOOM

Integrated values

Hadrons>20MeV:

UJ88 – 8: $6.96 \times 10^9 \text{ cm}^{-2}$

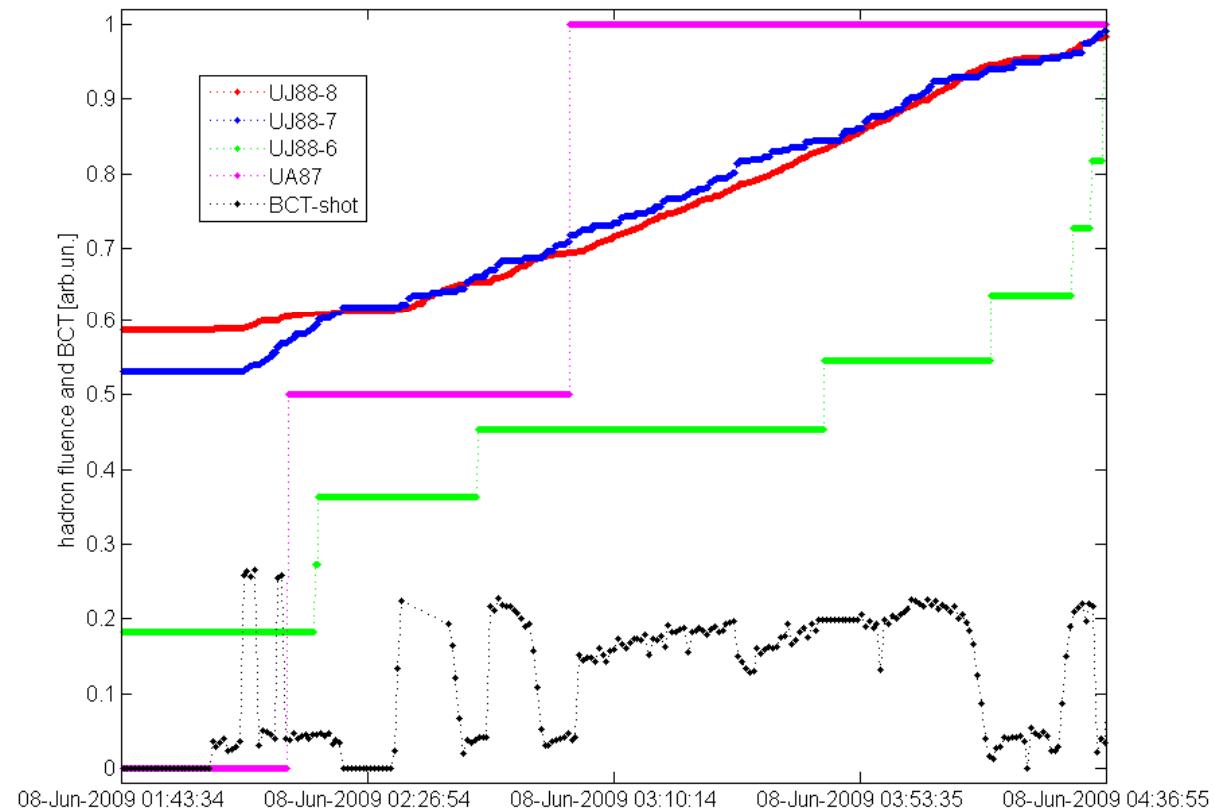
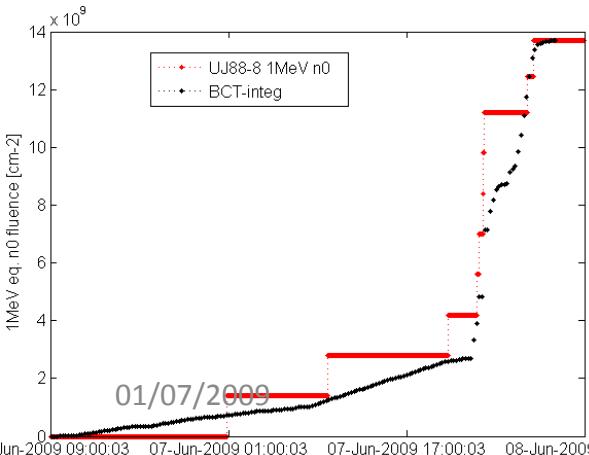
UJ88 – 7: $2.68 \times 10^8 \text{ cm}^{-2}$

UJ88 – 6: $9.32 \times 10^6 \text{ cm}^{-2}$

UJ87 – 1: $1.69 \times 10^6 \text{ cm}^{-2}$

1MeV eq. n^0 :

UJ88 – 8: $1.37 \times 10^{10} \text{ cm}^{-2}$



UJ88 Hadron>20MeV compared to BCT intensity per extraction – pos8

Integrated values

Hadrons>20MeV:

UJ88 – 8: $6.96 \times 10^9 \text{ cm}^{-2}$

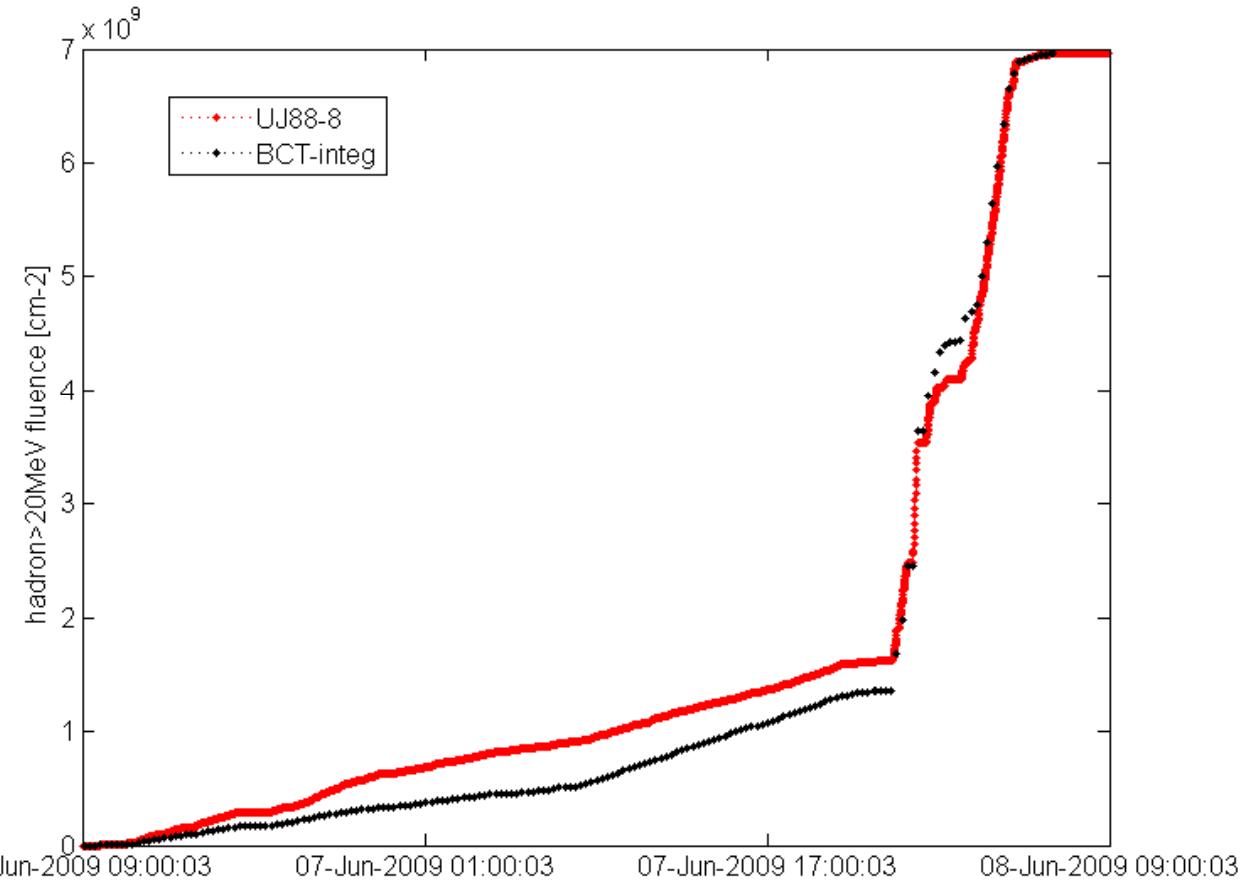
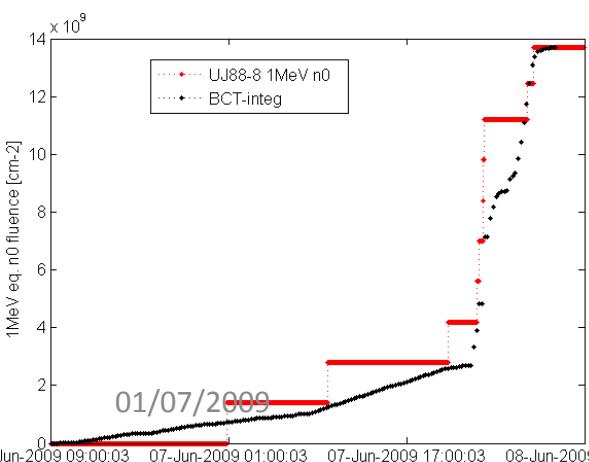
UJ88 – 7: $2.68 \times 10^8 \text{ cm}^{-2}$

UJ88 – 6: $9.32 \times 10^6 \text{ cm}^{-2}$

UJ87 – 1: $1.69 \times 10^6 \text{ cm}^{-2}$

1MeV eq. n^0 :

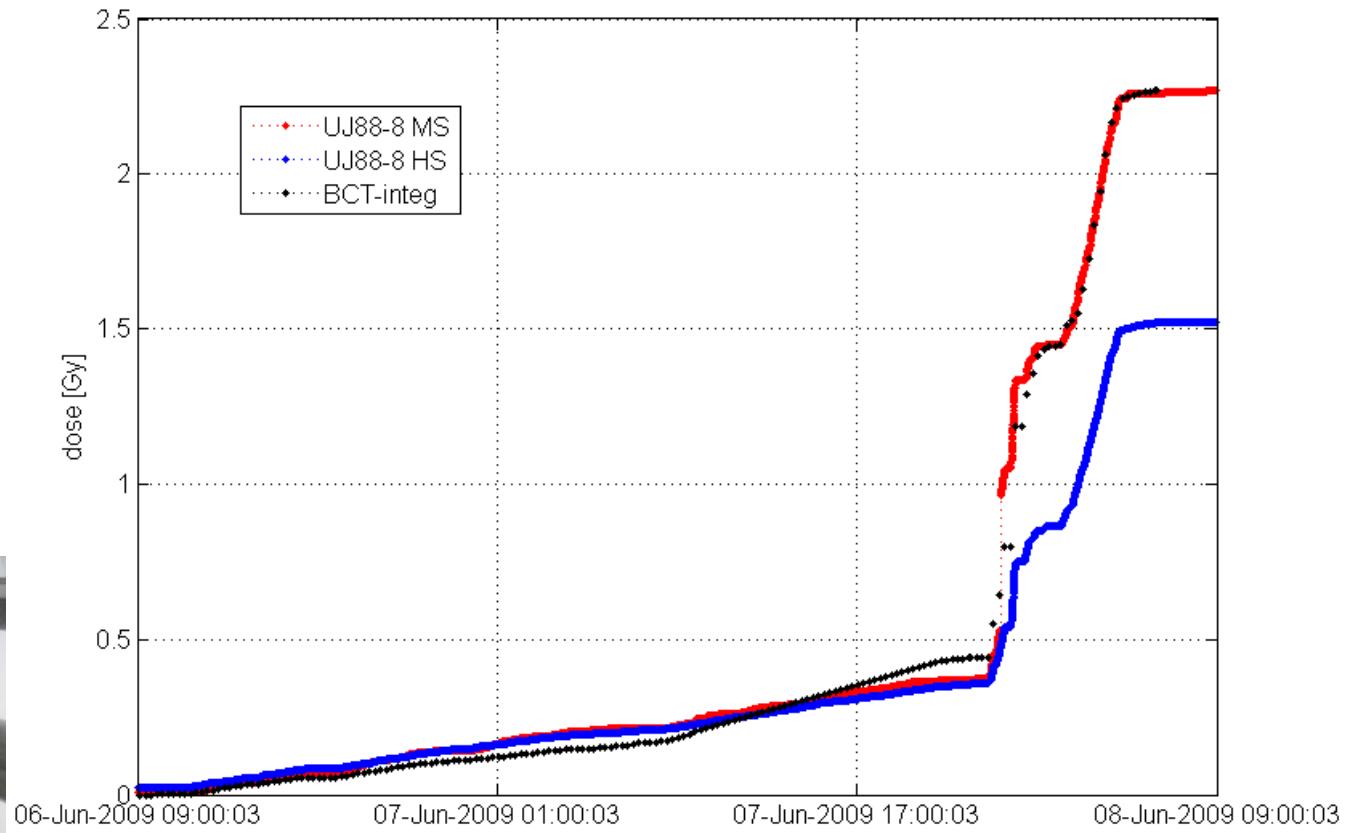
UJ88 – 8: $1.37 \times 10^{10} \text{ cm}^{-2}$



BCT integrated intensity normalized to dose (Medium Sensitivity) - pos8

Integrated values:

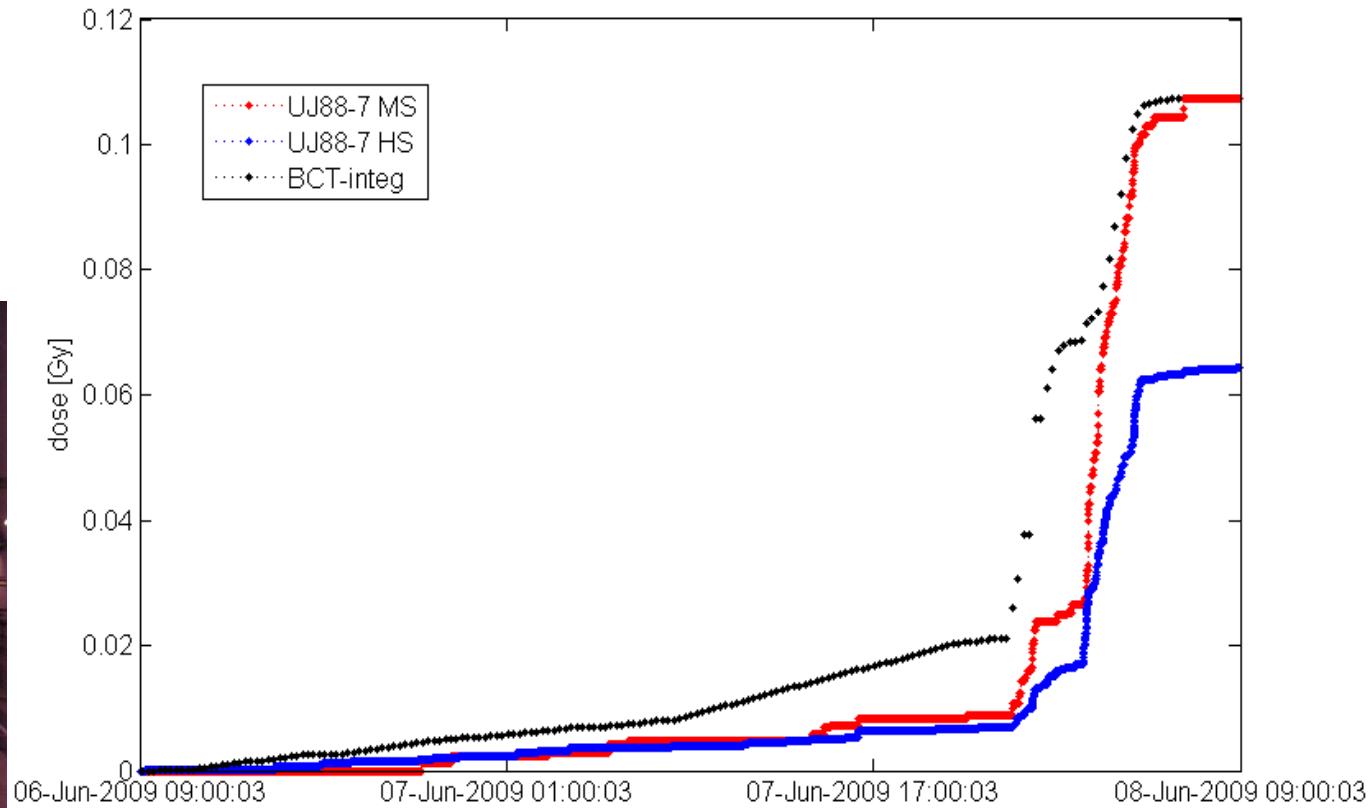
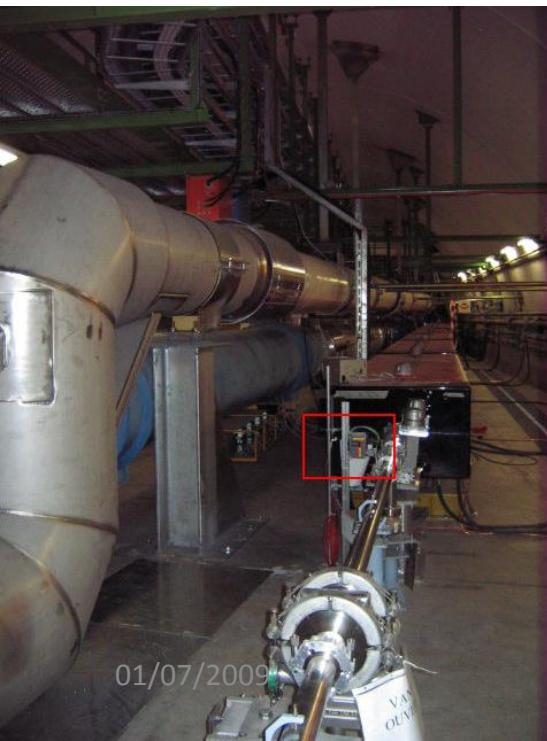
UJ88 – 8: 2.27 Gy
UJ88 – 7: 107 mGy
UJ88 – 6: 1.2 mGy
UJ87 – 1: 0.3 mGy



BCT integrated intensity normalized to dose (Medium Sensitivity) - pos7

Integrated values:

UJ88 – 8: 2.27 Gy
UJ88 – 7: 107 mGy
UJ88 – 6: 1.2 mGy
UJ87 – 1: 0.3 mGy



BCT integrated intensity normalized to dose (Medium Sensitivity) – pos6

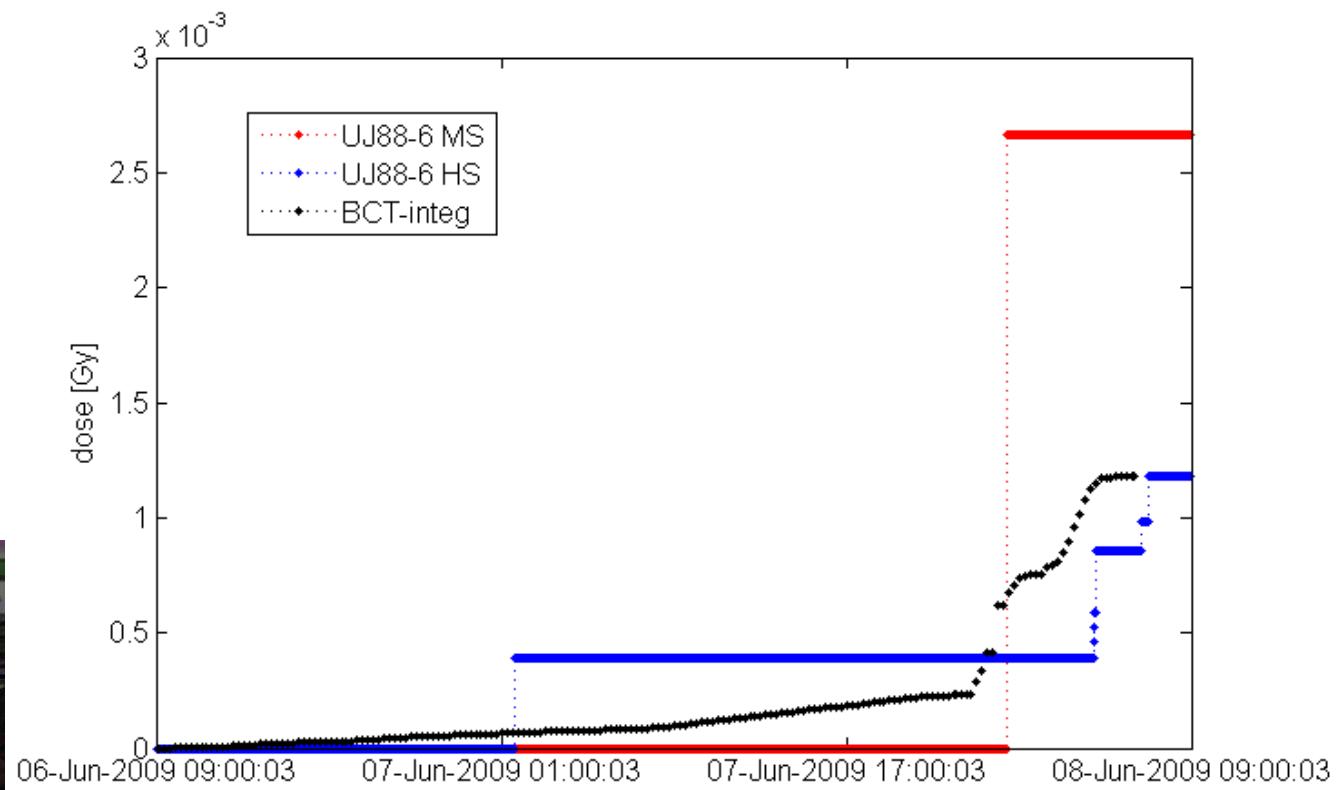
Integrated values:

UJ88 – 8: 2.27 Gy

UJ88 – 7: 64 mGy

UJ88 – 6: 1.2 mGy

UJ87 – 1: 0.3 mGy



BCT integrated intensity normalized to dose (Medium Sensitivity) – UJ87

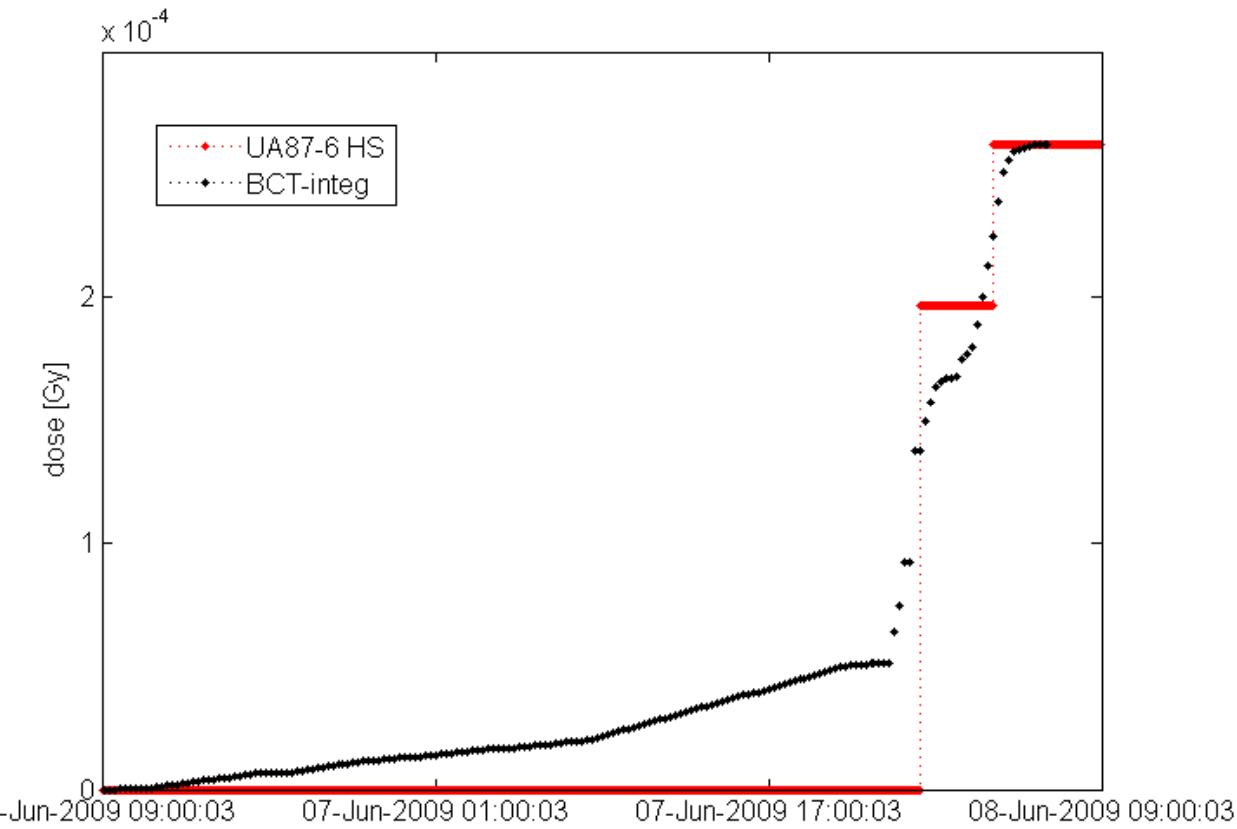
Integrated values:

UJ88 – 8: 2.27 Gy

UJ88 – 7: 64 mGy

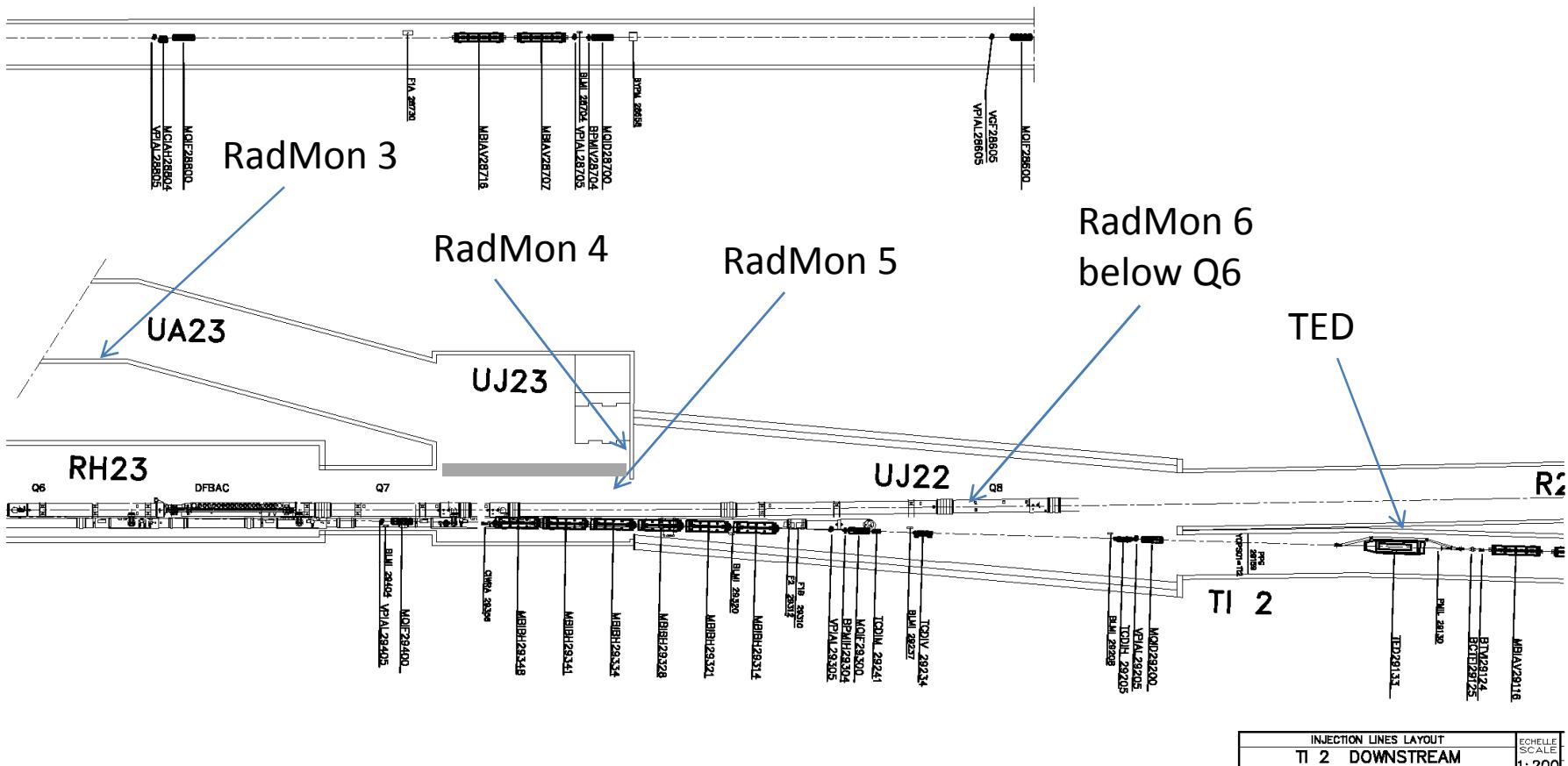
UJ88 – 6: 1.2 mGy

UJ87 – 1: 0.3 mGy

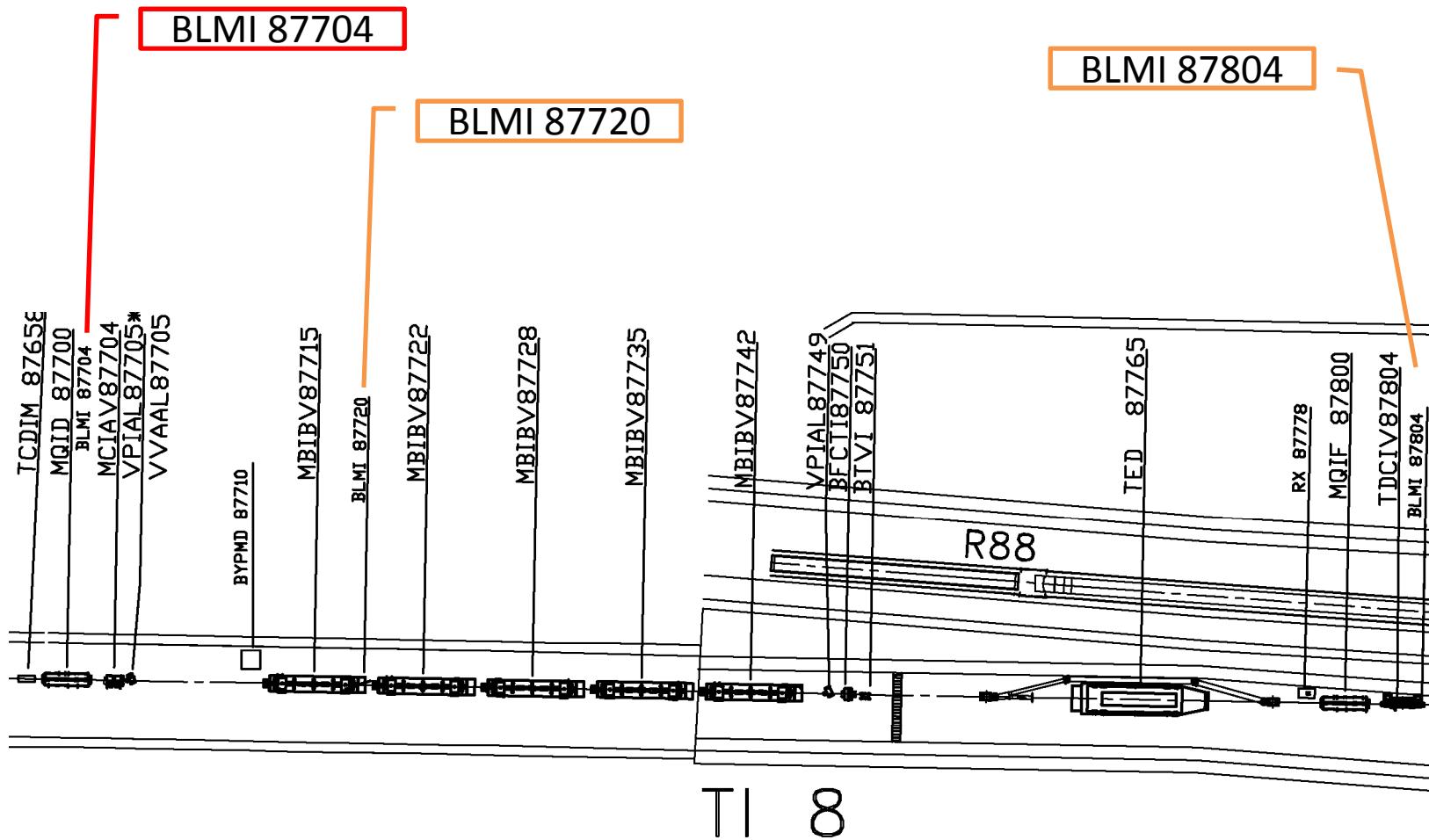


TI2 layout downstream the TED

next injection test scheduled for 11-12 July 2009



BLM layout in TI8 around TED



BLM data – loss rates in T18 including the collimator

