

# Update on PrimEx $\pi^0$ analysis

Eric Clinton

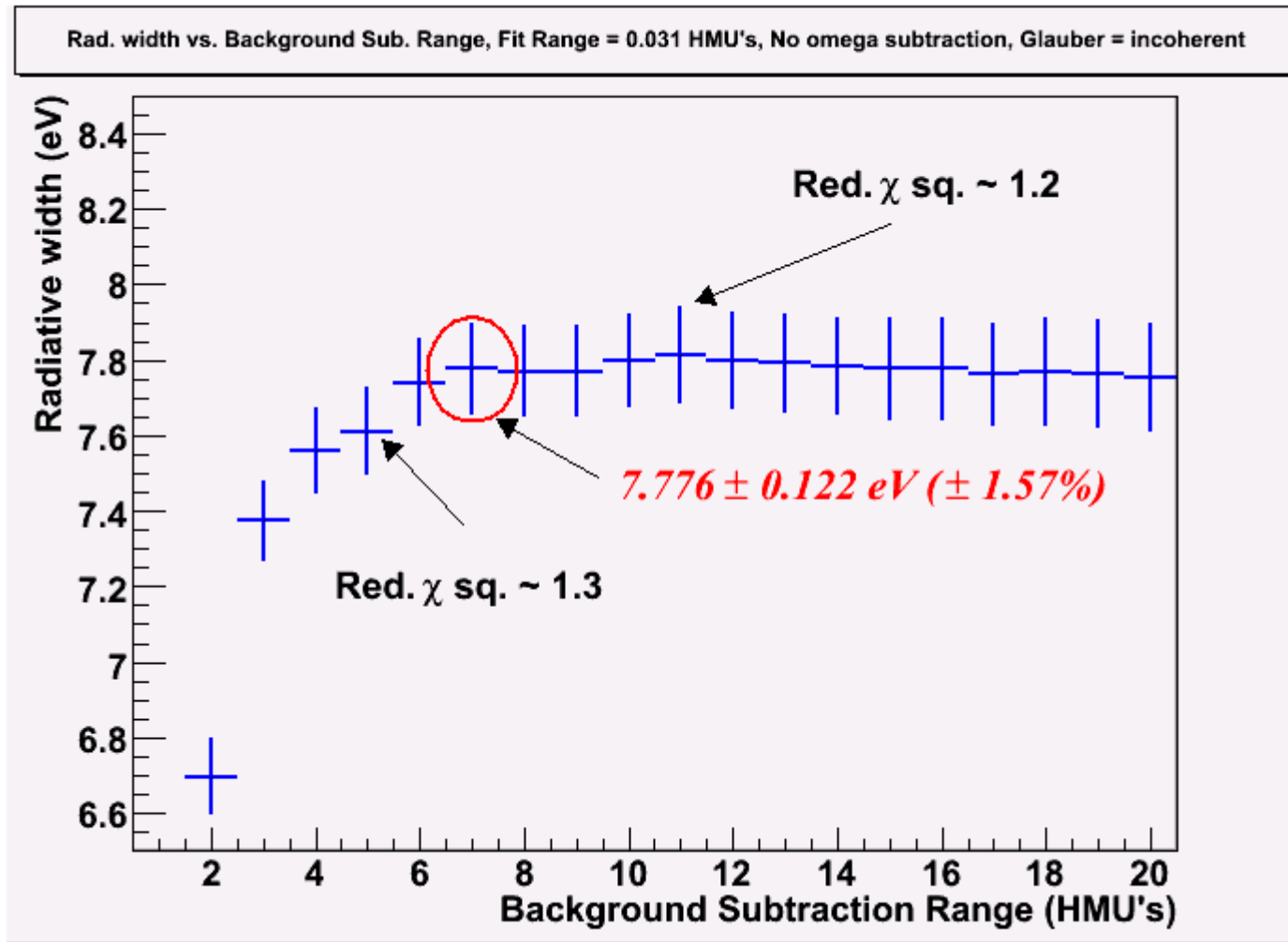
January 11, 2008

Duke University

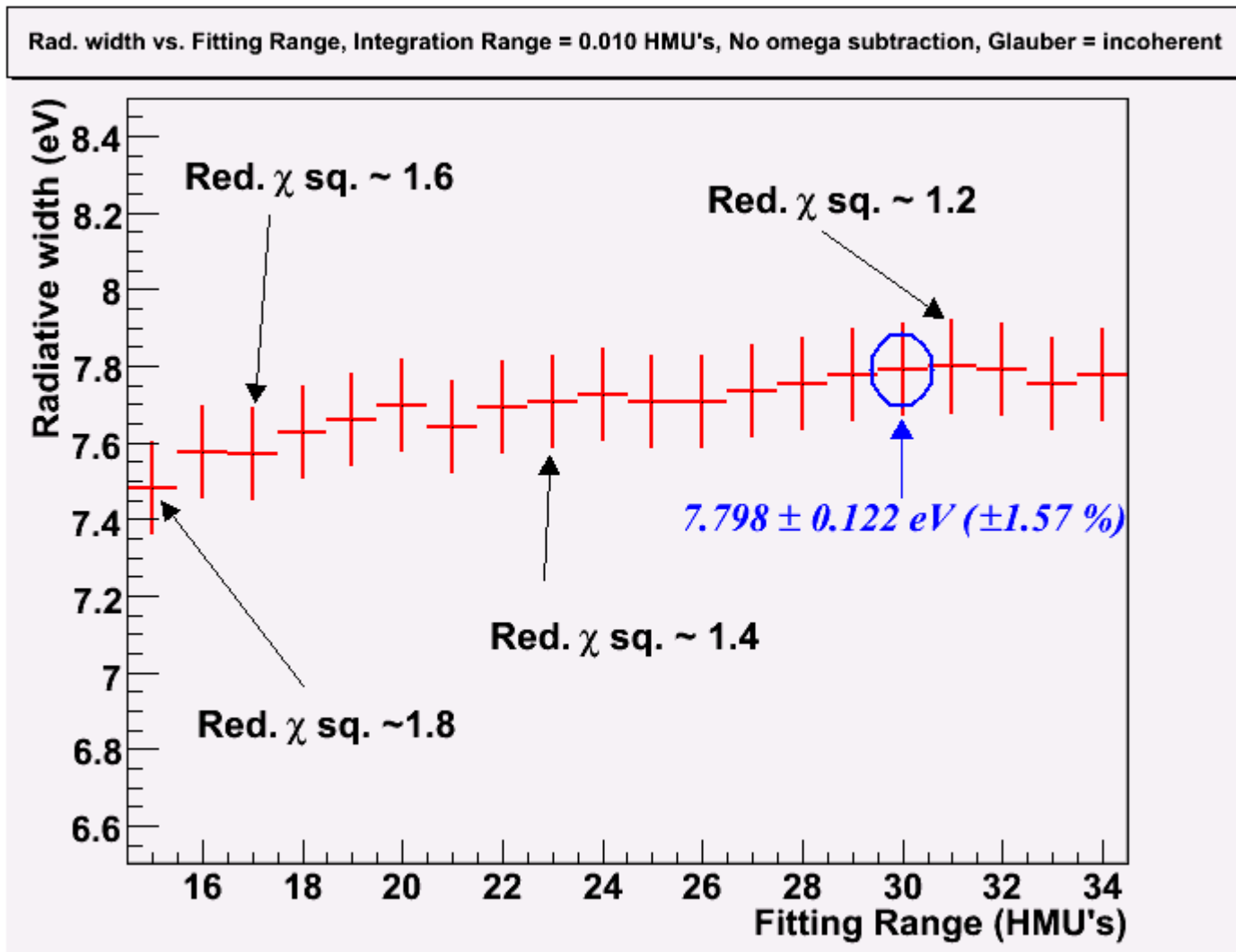
# What I've done

- Switched to log likelihood fitting method
- Subtracted simulated, scaled  $\omega$  background spectrum from  $\pi^0$  candidate spectrum
- Incorporated the latest inelastic tables from Tulio

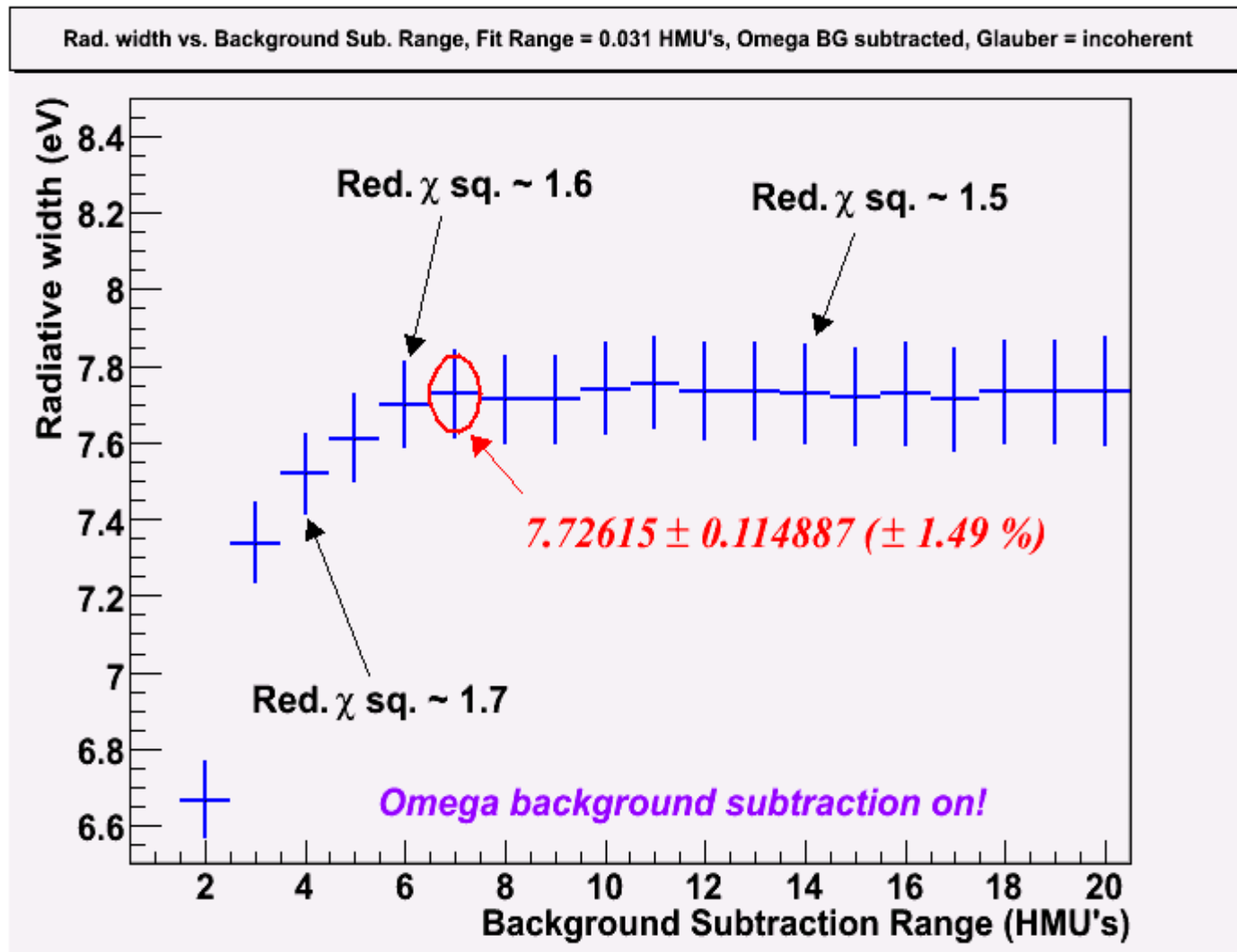
Incoherent = Glauber, no omega background subtraction  
*Vary pion candidate BG subtraction range, fix Fitting range*



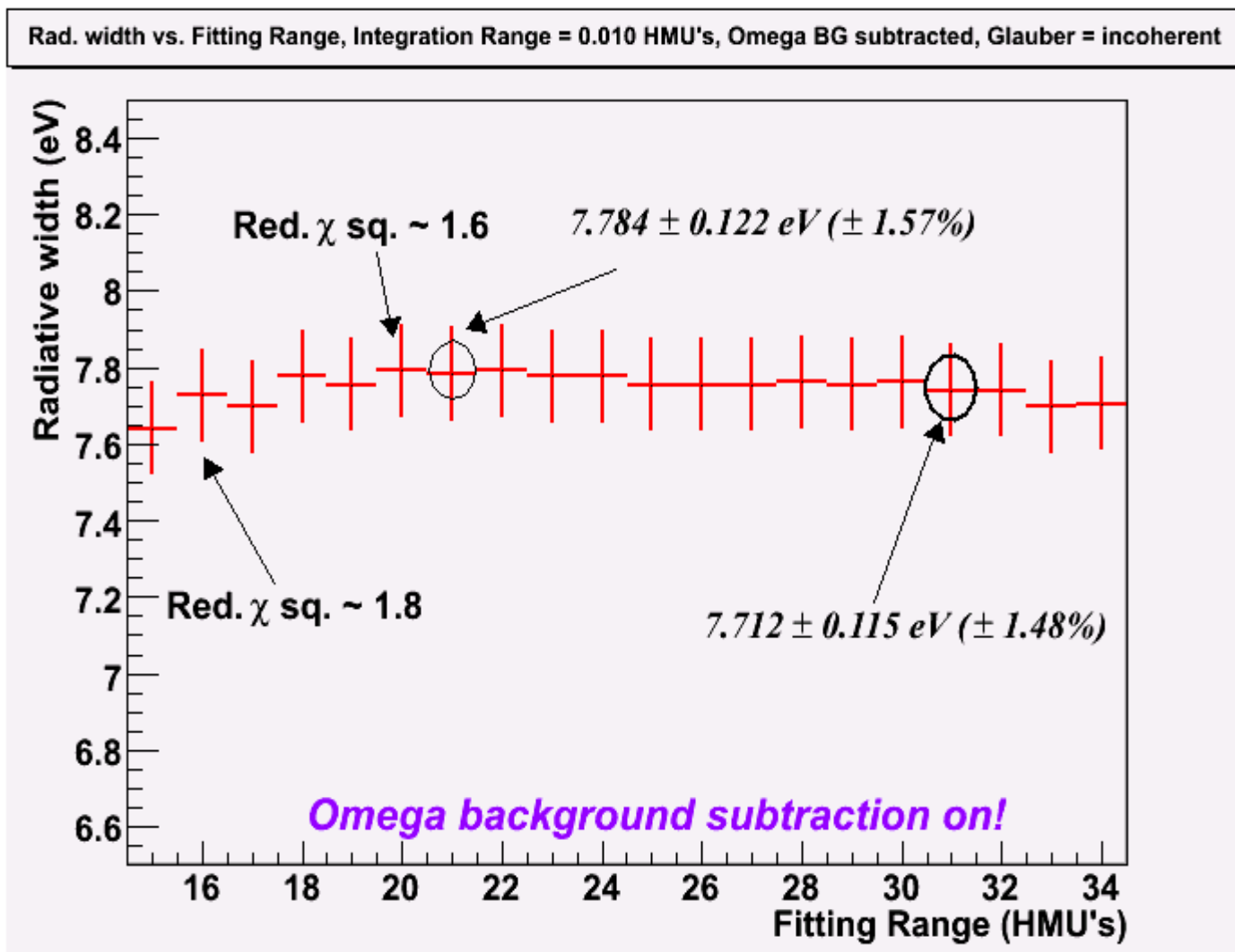
Incoherent = Glauber, no omega background subtraction  
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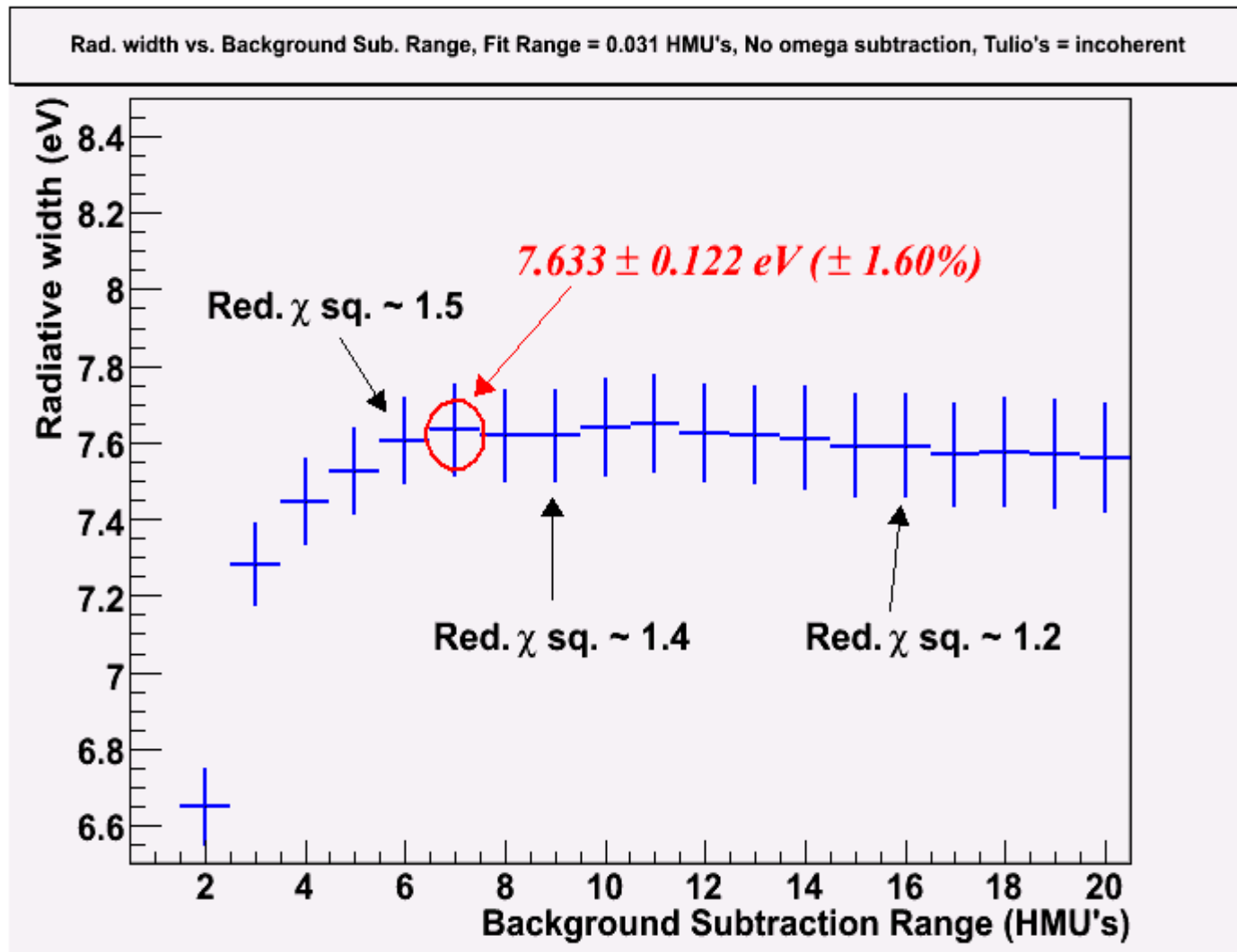
Incoherent = Glauber, Omega background subtraction on!  
*Vary pion candidate BG subtraction range, fix Fitting range*



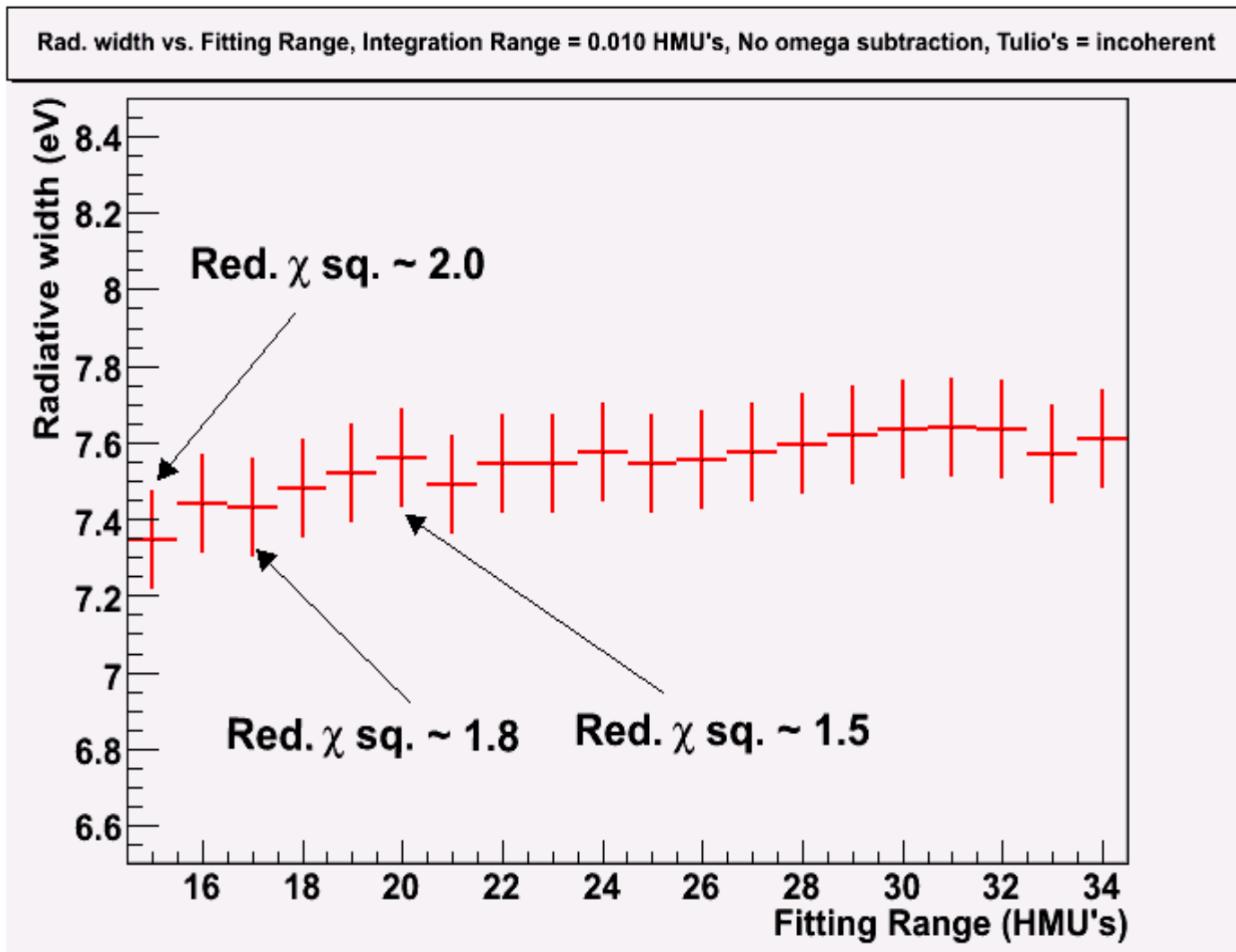
Incoherent = Glauber, Omega background subtraction on!  
*Vary pion candidate Fitting range, fix BG subtraction range*



Incoherent = Tulio's, no omega background subtraction  
*Vary pion candidate BG subtraction range, fix Fitting range*

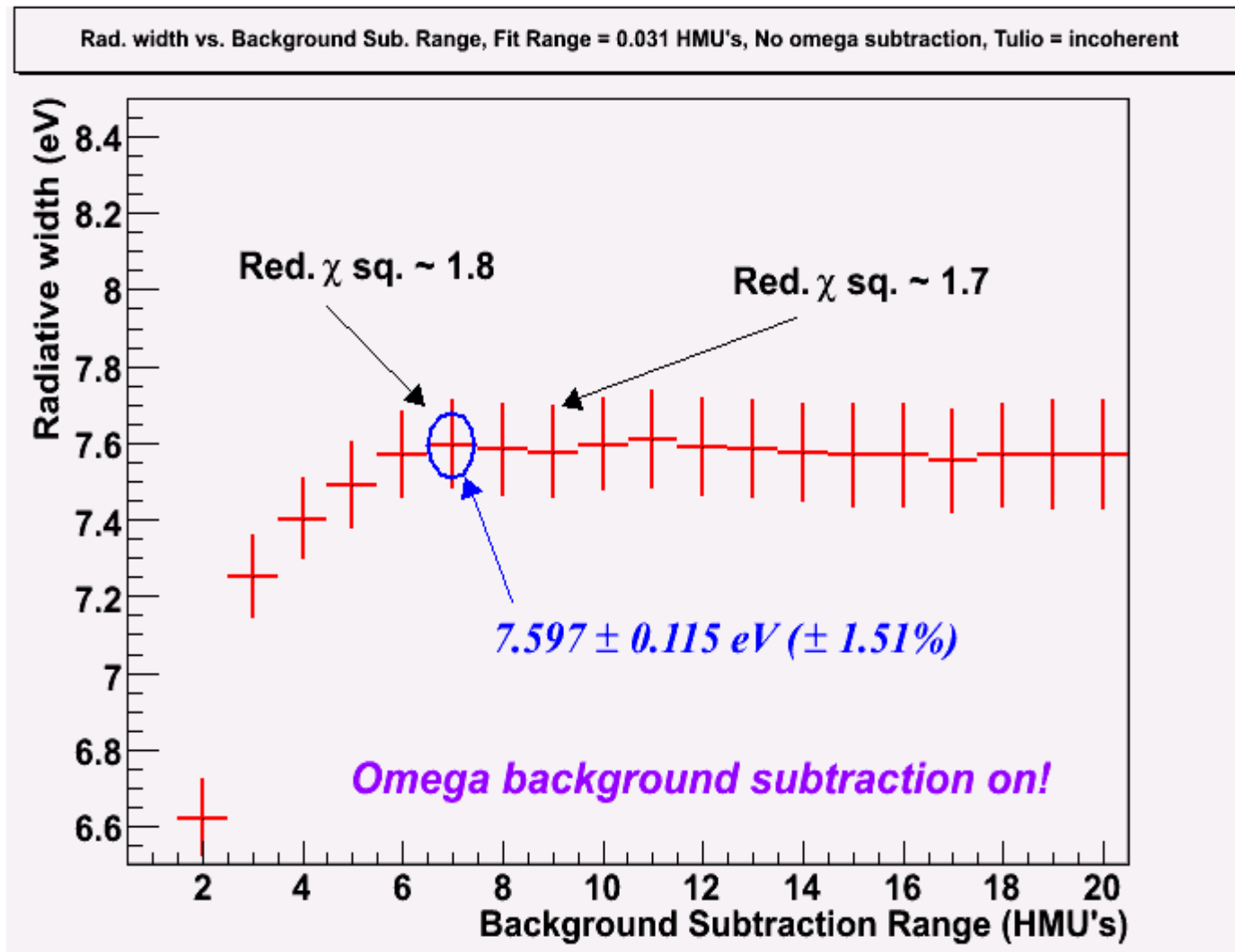


Incoherent = Tulio's, no omega background subtraction  
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