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### Top quark pair production cross-section in proton-proton collisions at $\sqrt{s} = 7$ TeV

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Netherlands Organisation for Scientific Research

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# Top quark pair production cross-section in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$

ACADEMISCH PROEFSCHRIFT

ter verkrijging van de graad van doctor  
aan de Universiteit van Amsterdam  
op gezag van de Rector Magnificus  
prof. dr. D.C. van den Boom  
ten overstaan van een door het college van promoties ingestelde  
commissie, in het openbaar te verdedigen in de Agnietenkapel  
op woensdag 19 september 2012, te 12:00 uur

door

**Menelaos Tsiakiris**

geboren te Thessaloniki, Griekenland

Promotiecommissie

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Στους γονείς μου,  
Σταμάτη και Χαρούλα.

Στην αδερφή μου,  
Όλγα.

Στο Άμστερνταμ.  
Στο Βερολίνο.