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## Triggering on CP Violation

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VRIJE UNIVERSITEIT

Triggering on  $CP$  Violation  
Real-Time Selection and Reconstruction  
of  $B_s \rightarrow J/\psi \phi$  Decays

ACADEMISCH PROEFSCHRIFT

ter verkrijging van de graad Doctor aan  
de Vrije Universiteit Amsterdam,  
op gezag van de rector magnificus  
prof.dr. F.A. van der Duyn Schouten,  
in het openbaar te verdedigen  
ten overstaan van de promotiecommissie  
van de Faculteit der Exacte Wetenschappen  
op donderdag 7 mei 2015 om 13.45 uur  
in de aula van de universiteit,  
De Boelelaan 1105

door

Roel Johannes Makis Aaij

geboren te Woerden

promotoren: prof.dr. H.G. Raven  
prof.dr. M.H.M. Merk