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Electron Scattering on  $^{12}\text{C}$ ,  
the Structure of the Hoyle State  
and  
a Neutron Ball for  $(\text{e},\text{e}[1]\text{n})$   
Experiments at the S-DALINAC

Von Maksym Chernykh  
der Technischen Universität Darmstadt  
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eines Doktors der Naturwissenschaften  
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