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**Magnetic and Transport Properties of  $\text{RCoIn}_5$  ( $\text{R}=\text{Pr},\text{Nd}$ ) and  $\text{RCoGa}_5$  ( $\text{R}=\text{Tb}-\text{Tm}$ )** JACOB HUDIS, Department of Physics and Astronomy, Johns Hopkins University, RONGWEI HU, Department of Physics, Brown University/Brookhaven National Lab, COLLIN BROHOLM, Department of Physics and Astronomy, Johns Hopkins University, V.F. MITROVIC, CEDOMIR PETROVIC, Department of Physics, Brookhaven National Lab — We report on magnetic and transport properties of single crystals of the light rare earth containing series of compounds  $\text{RCoIn}_5$  ( $\text{R}=\text{Pr},\text{Nd}$ ) and heavy rare earth containing series  $\text{RCoGa}_5$  ( $\text{R}=\text{Tb}-\text{Tm}$ ). All the compounds crystallize in the tetragonal  $\text{HoCoGa}_5$  crystal structure and are very good metals with small defect scattering at low temperatures.  $\text{NdCoIn}_5$  and members of the  $\text{RCoGa}_5$  series with large de Gennes factors order antiferromagnetically.

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