

V18 Rutherford Scat

Goldfolie: Dicke: $2 \mu m$

Streuungsmessung

$\vartheta = 0^\circ$	Counts = 916	$t = 100s$
$\vartheta = 0,2^\circ$	Counts = 8861	$t = 100s$
$\vartheta = 0,2^\circ$	Counts = 942	$t = 100s$
$\vartheta = 0,1^\circ$	Counts = 885	$t = 100s$
$\vartheta = 0,3^\circ$	Counts = 1058	$t = 100s$
$\vartheta = 0,4^\circ$	Counts = 959	$t = 100s$
$\vartheta = 0,5^\circ$	Counts = 1067	$t = 100s$
Counts = 1026	$t = 100s$	
$\vartheta = 0,6^\circ$	Counts = 1185	$t = 110s$
$\vartheta = 0,7^\circ$	Counts = 1071	$t = 110s$
$\vartheta = 0,8^\circ$	Counts = 1139	$t = 110s$
$\vartheta = 0,9^\circ$	Counts = 1160	$t = 110s$
$\vartheta = 1^\circ$	Counts = 1093	$t = 110s$
$\vartheta = 1,1^\circ$	Counts = 1230	$t = 110s$
$\vartheta = 1,2^\circ$	Counts = 1164	$t = 110s$
$\vartheta = 1,3^\circ$	Counts = 1133	$t = 110s$
$\vartheta = 1,4^\circ$	Counts = 1143	$t = 110s$
$\vartheta = 1,5^\circ$	Counts = 1152	$t = 110s$
$\vartheta = 1,6^\circ$	Counts = 1215	$t = 110s$
$\vartheta = 1,7^\circ$	Counts = 1183	$t = 110s$
$\vartheta = 1,8^\circ$	Counts = 1165	$t = 110s$
$\vartheta = 1,9^\circ$	Counts = 1145	$t = 110s$
$\vartheta = 2^\circ$	Counts = 1209	$t = 110s$
$\vartheta = 2,1^\circ$	Counts = 1157	$t = 110s$
$\vartheta = 2,2^\circ$	Counts = 1127	$t = 110s$
$\vartheta = 2,3^\circ$	Counts = 1142	$t = 110s$

Ben