Test for dataset called: CY02-PVK-06-THA-SUM2.csv.

1. Q: what is the maximum different between sample temperature (Tsmp) and stage temperature (Tstg)?

A: 3.86K.

1. Q: What is the maximum longitudinal resistance (Rxx) at state 51?

A: (It is) 418395345204.86.

1. Q: What is the maximum resistivity?

A: (It is) 9140284.60771803.

1. Q: What is the Carrier density of the point at maximum resistivity?

A: 484847033413.408.

1. Challenge Background: This variable temperature Hall system allows us to study the mobility scattering mechanism and extracting the donor or acceptor level of the material. We demonstrated these applications in several high-interest materials such as high performance kesterite (CZTS) and perovskite solar absorber films. For example, we extracted the acceptor level is 225 meV and donor level is 572 meV from Hall Carrier Density Arrhenius Plot.

Q: What is the acceptor level and donor level.

A: Acceptor level is 225 meV and donor level is 572 meV.

Test for dataset called: CY03-PVK-02\_THA\_SUM01.csv.

1. Q: what is the maximum different between sample temperature (Tsmp) and stage temperature (Tstg)?

A: 103.24K.

1. Q: What is the maximum longitudinal resistance (Rxx) at state 51?

A: (It is) 678500403684.299

1. Q: What is the maximum resistivity?

A: (It is) 19676511.7068447.

1. Q: What is the Carrier density of the point at maximum resistivity?

A: 40608380035.1139.

1. Challenge Background: This variable temperature Hall system allows us to study the mobility scattering mechanism and extracting the donor or acceptor level of the material. We demonstrated these applications in several high-interest materials such as high performance kesterite (CZTS) and perovskite solar absorber films. For example, we extracted the acceptor level is 1.13 eV from Hall Carrier Density Arrhenius Plot.

Q: What is the acceptor level and donor level.

A: Acceptor level is 1.13 eV.