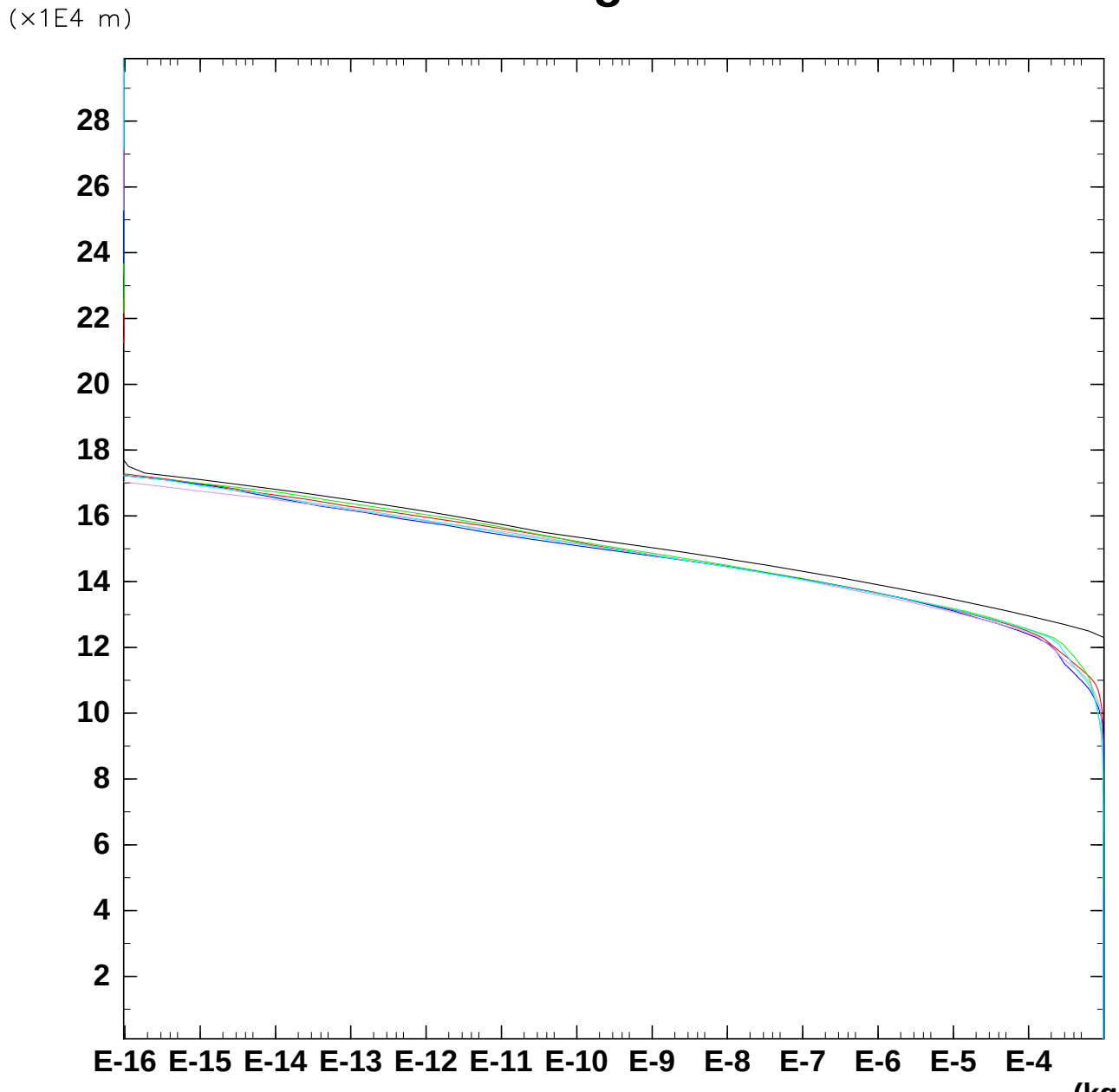Mixing Ratio