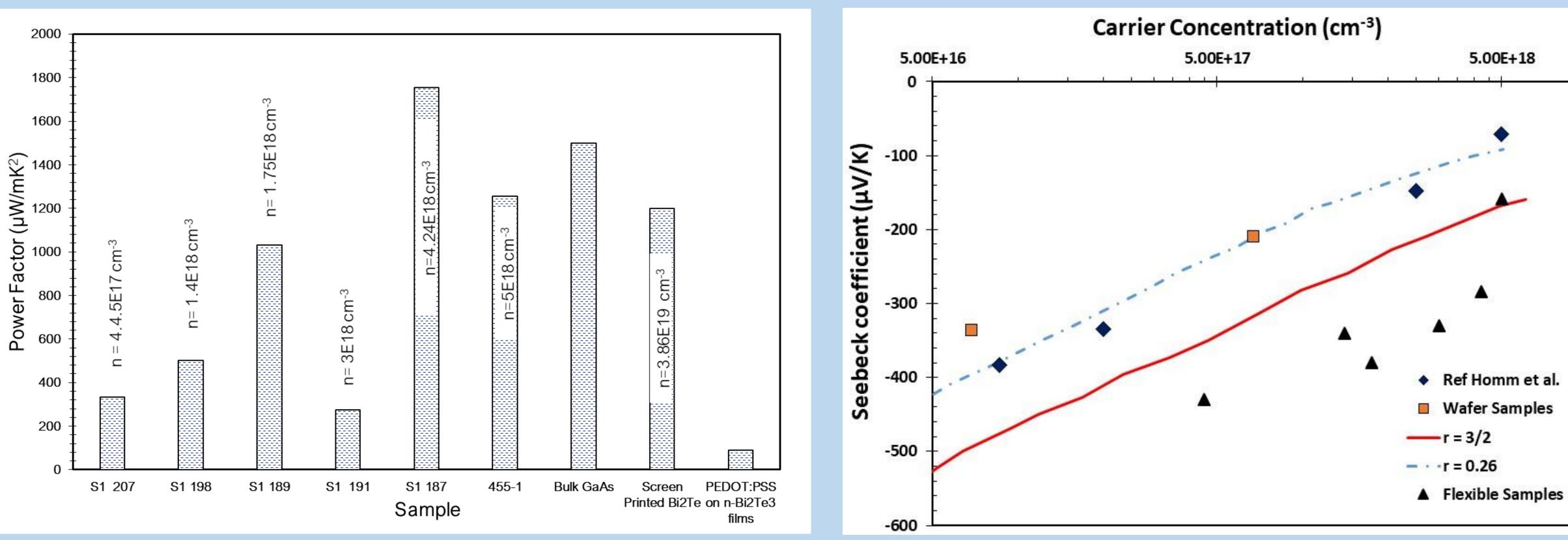


$$zT = \frac{\sigma S^{-1}}{r}$$

## Conclusion

- We shows enhanced Power factor for low cost GaAs flexible thin films beating power factors for state of the art screen printed BiTe TE.
- Further research is on going to explain the carrier mobility paradoxically increase as function of carrier concentration.

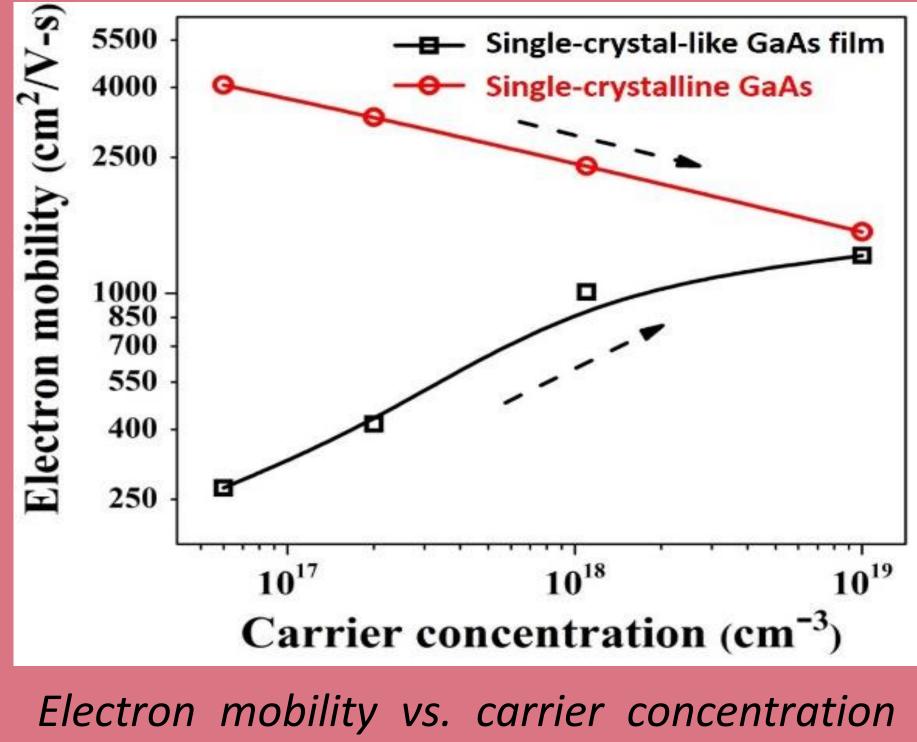
single crystal like GaAs thin films.





## Results

Pisarenko Plot showing the Seebeck Coefficient vs. carrier concentration



for single-crystal-like flexible GaAs film in comparison to single crystal GaAs

# Reference

https://energy.gov/articles/could-teg-improve-your-cars-efficiency