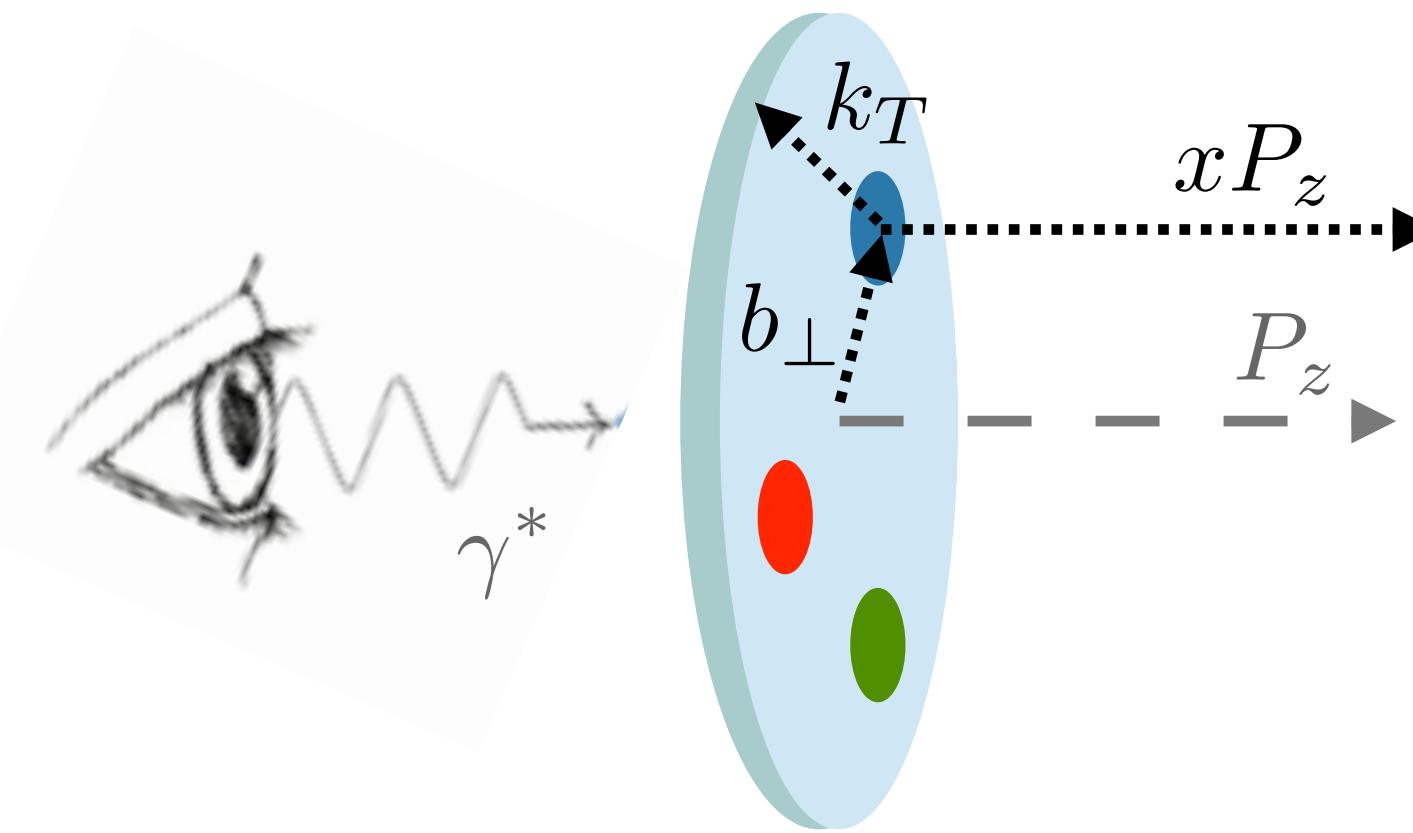


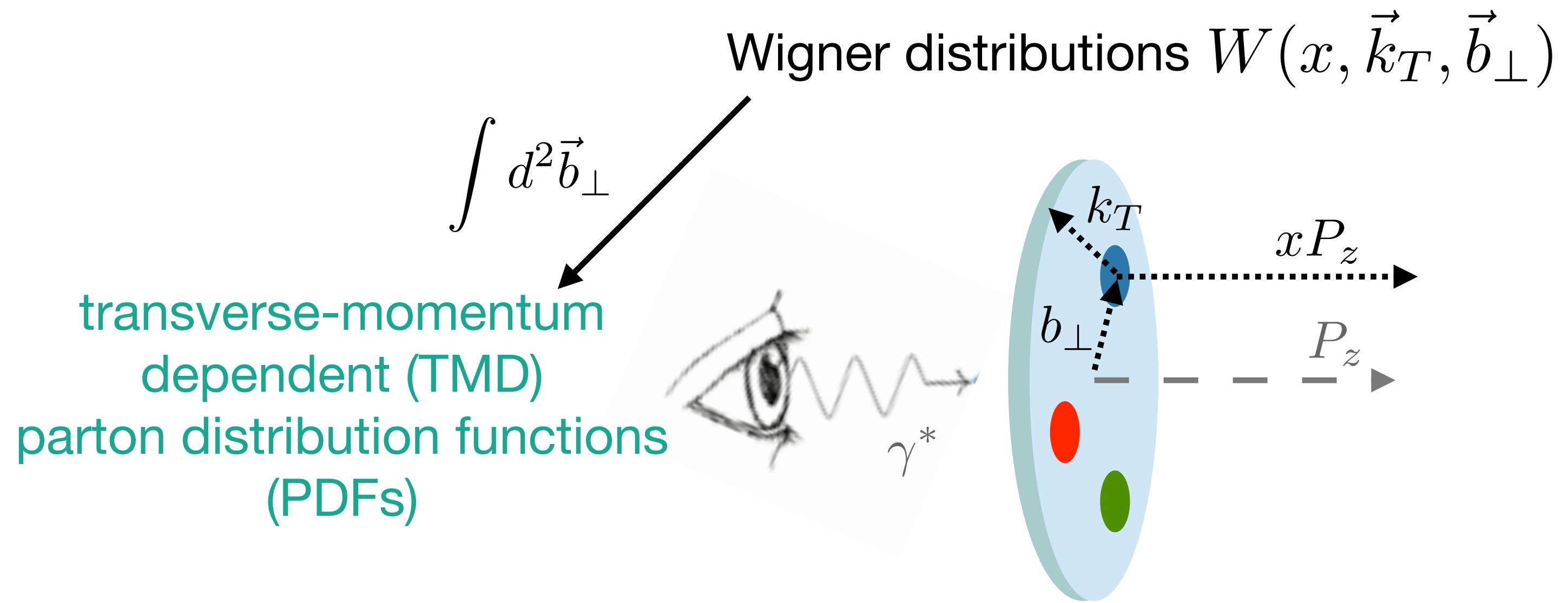
# **Introduction to the sessions on multi-dimensional hadron structure and spin**

# The various dimensions of the nucleon structure and spin

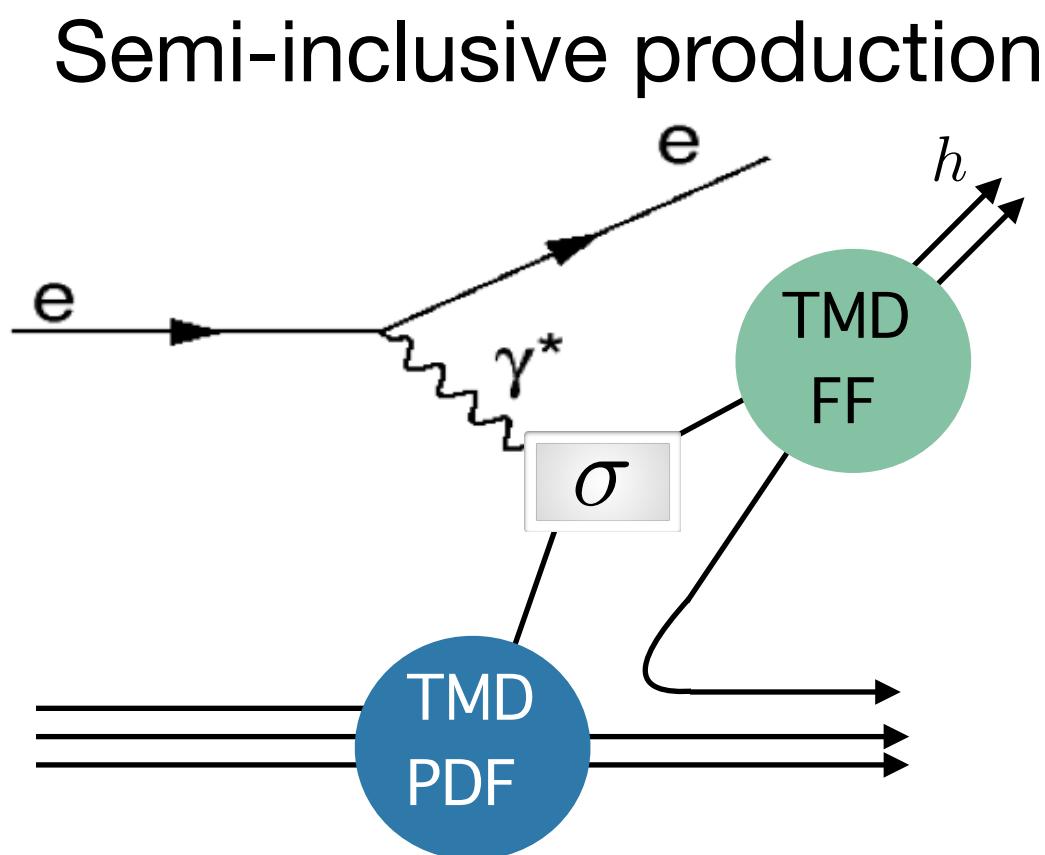
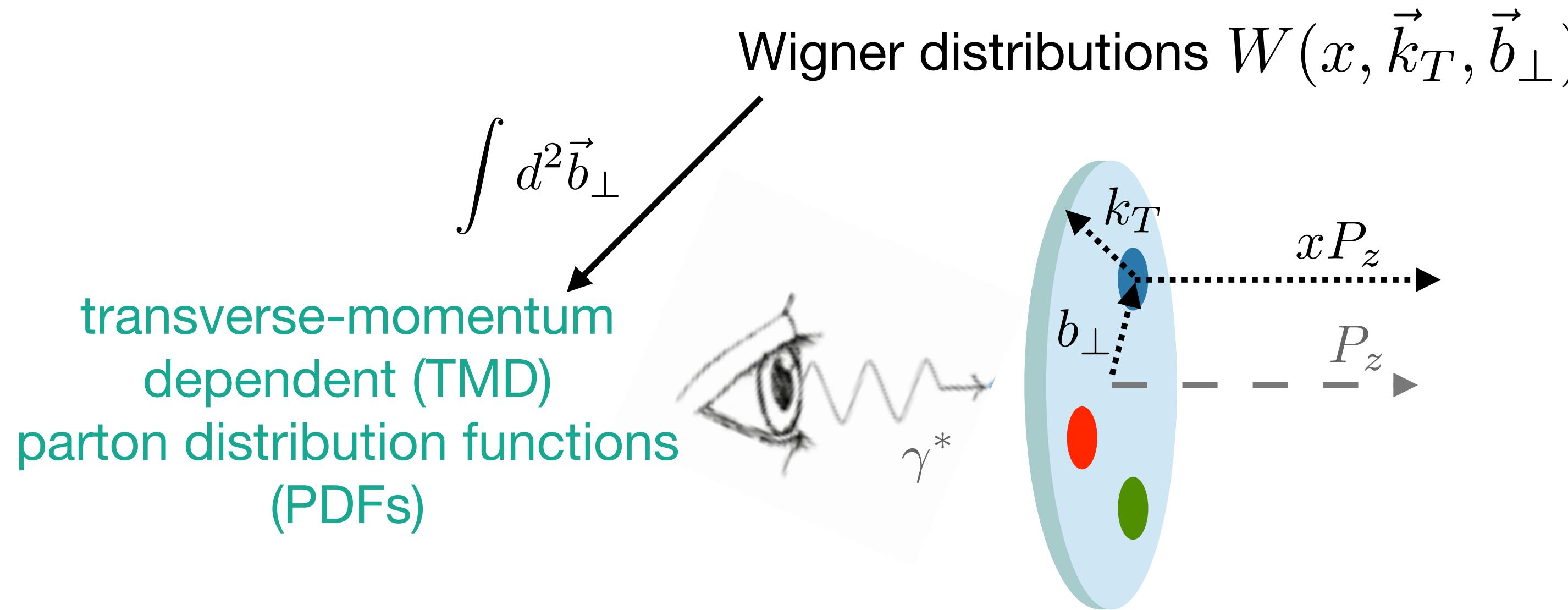
Wigner distributions  $W(x, \vec{k}_T, \vec{b}_\perp)$



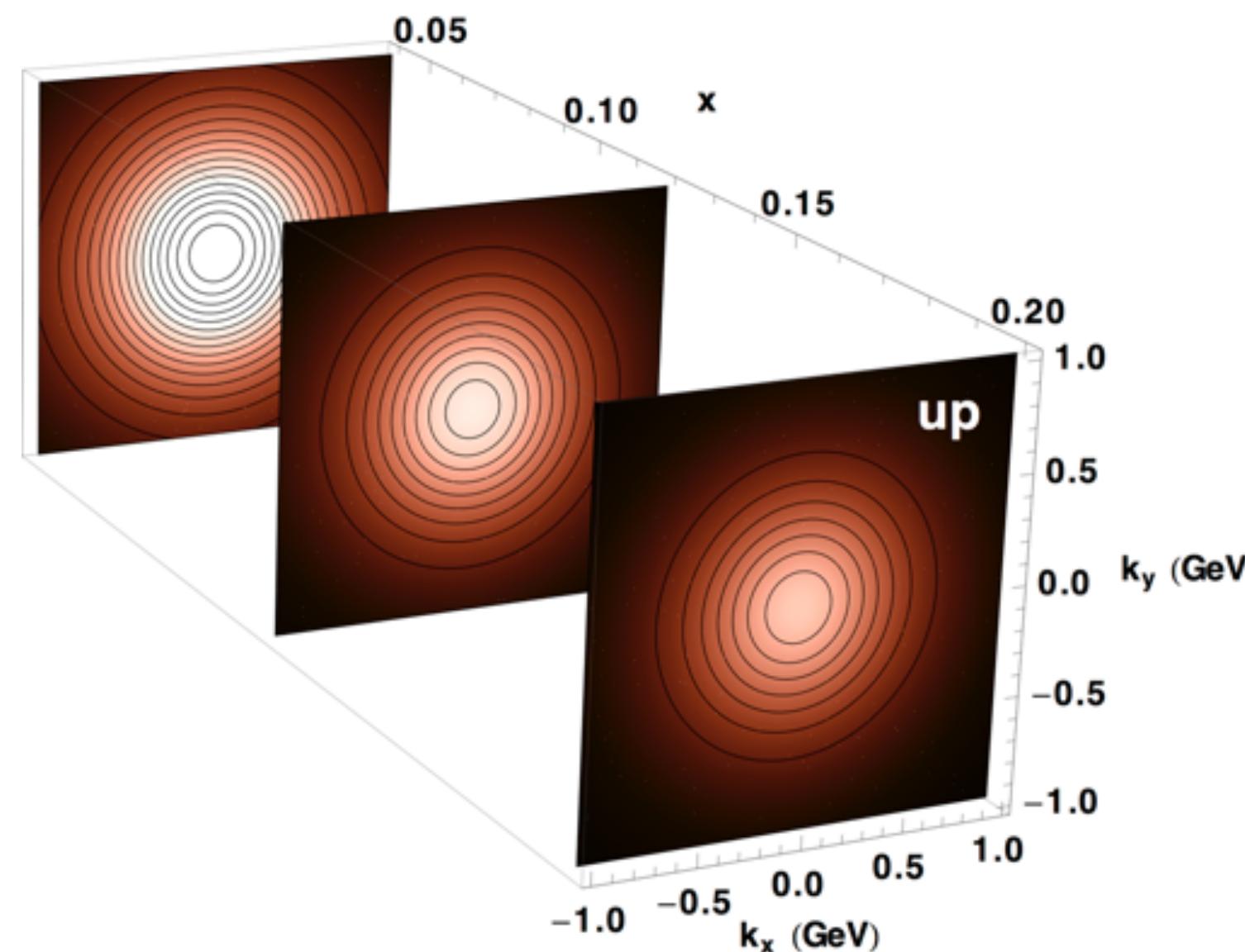
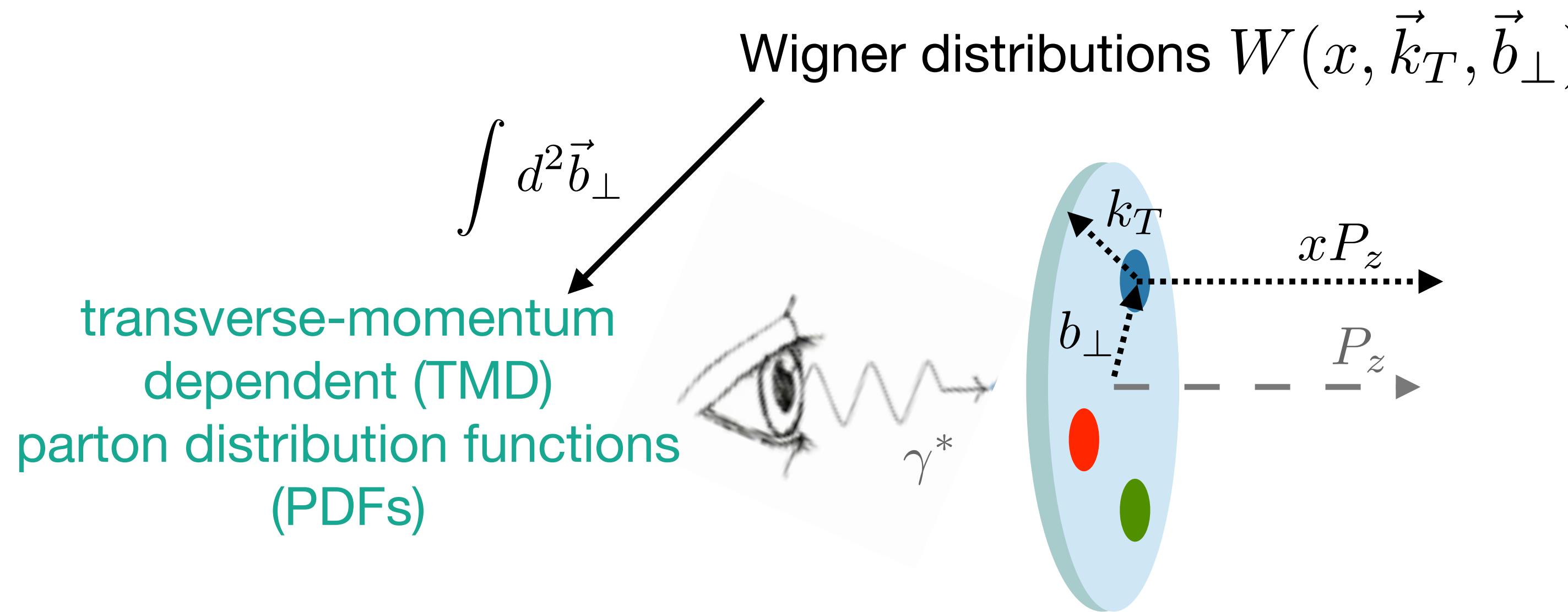
# The various dimensions of the nucleon structure and spin



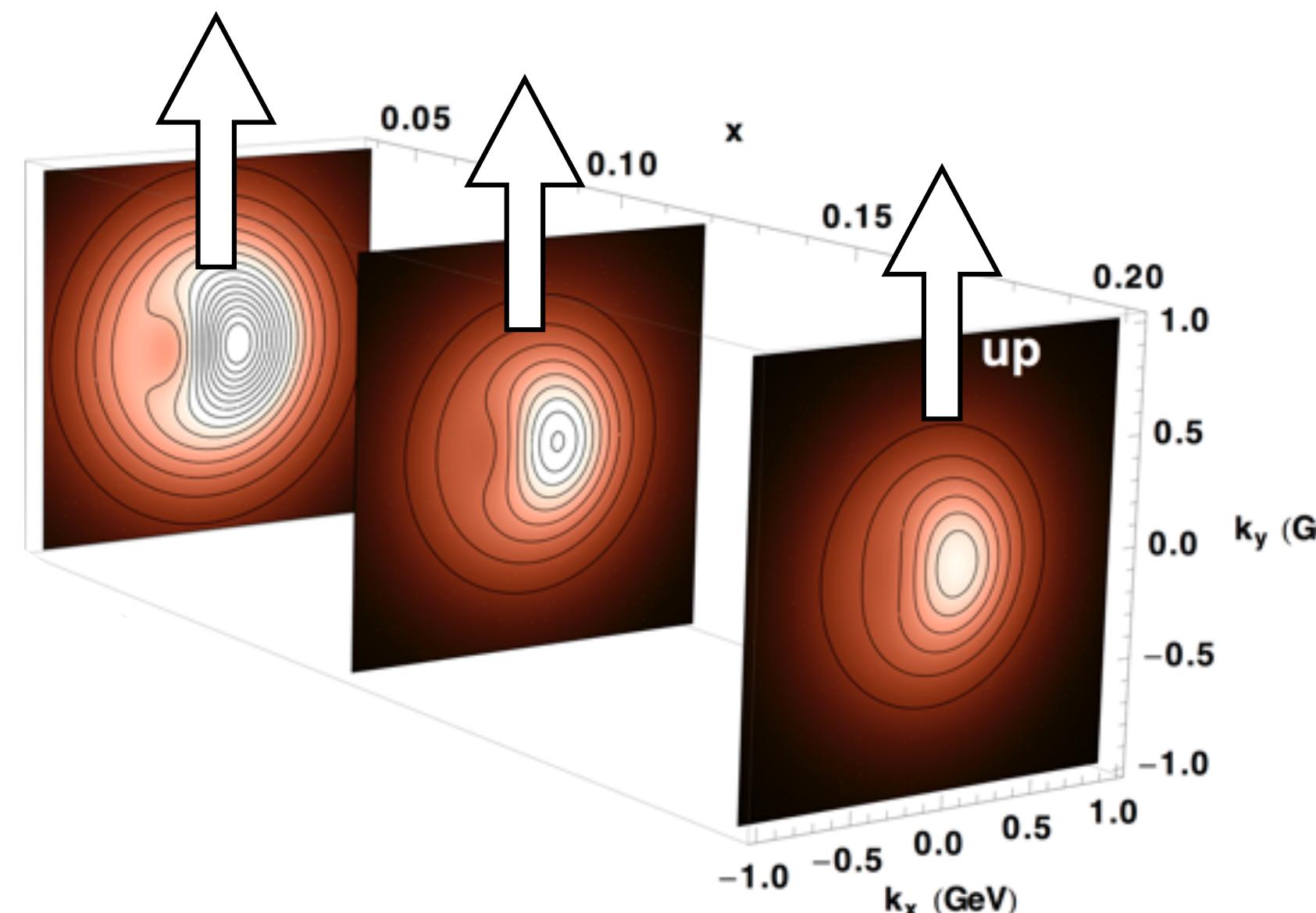
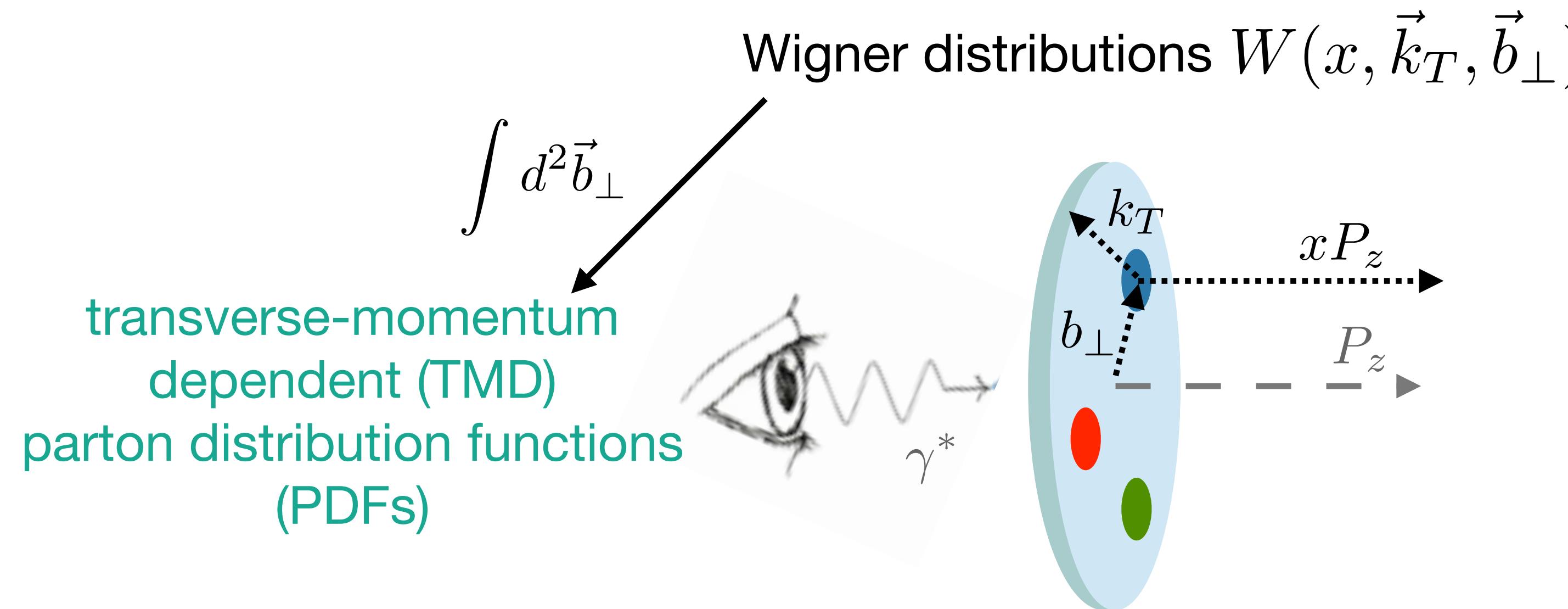
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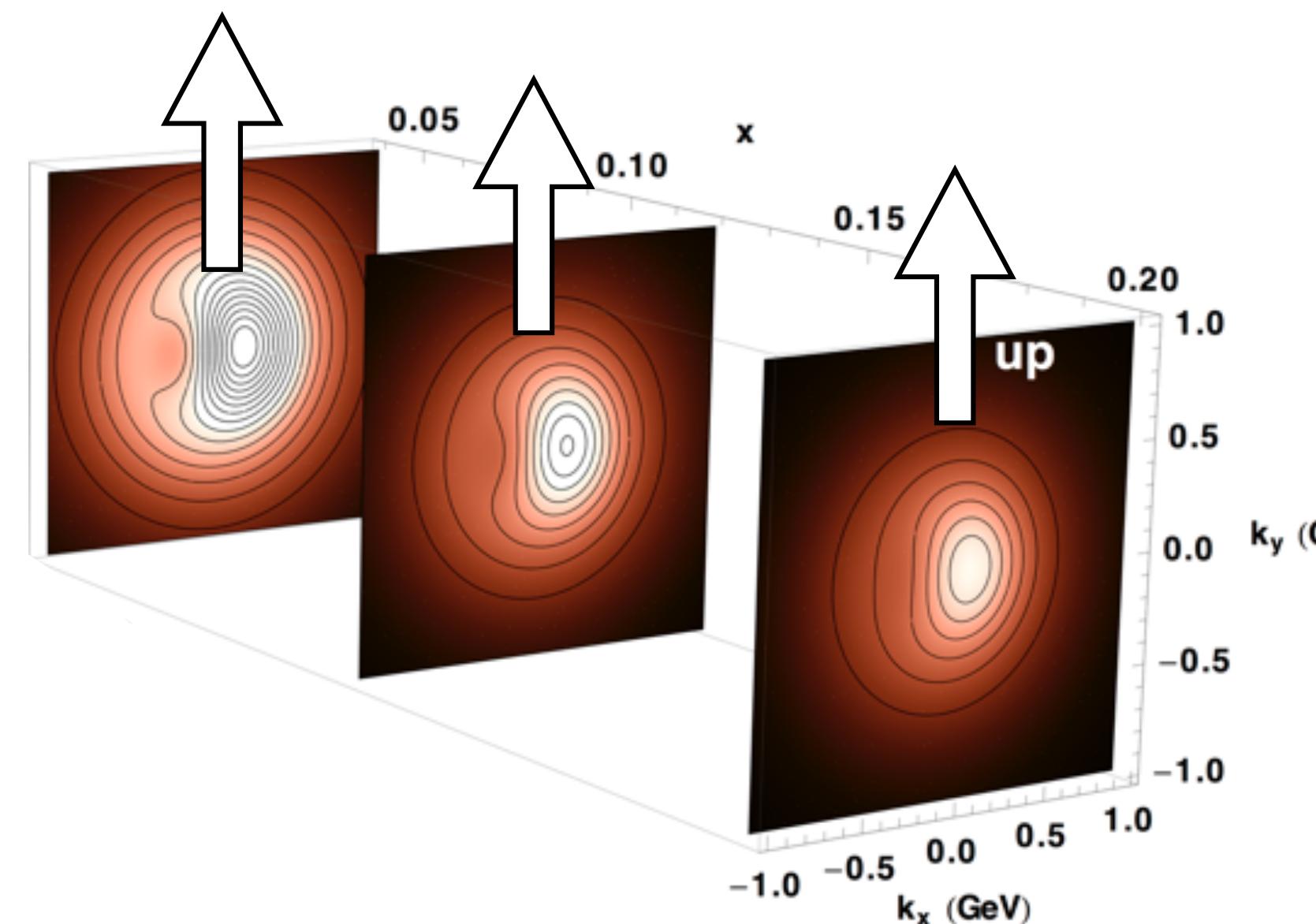
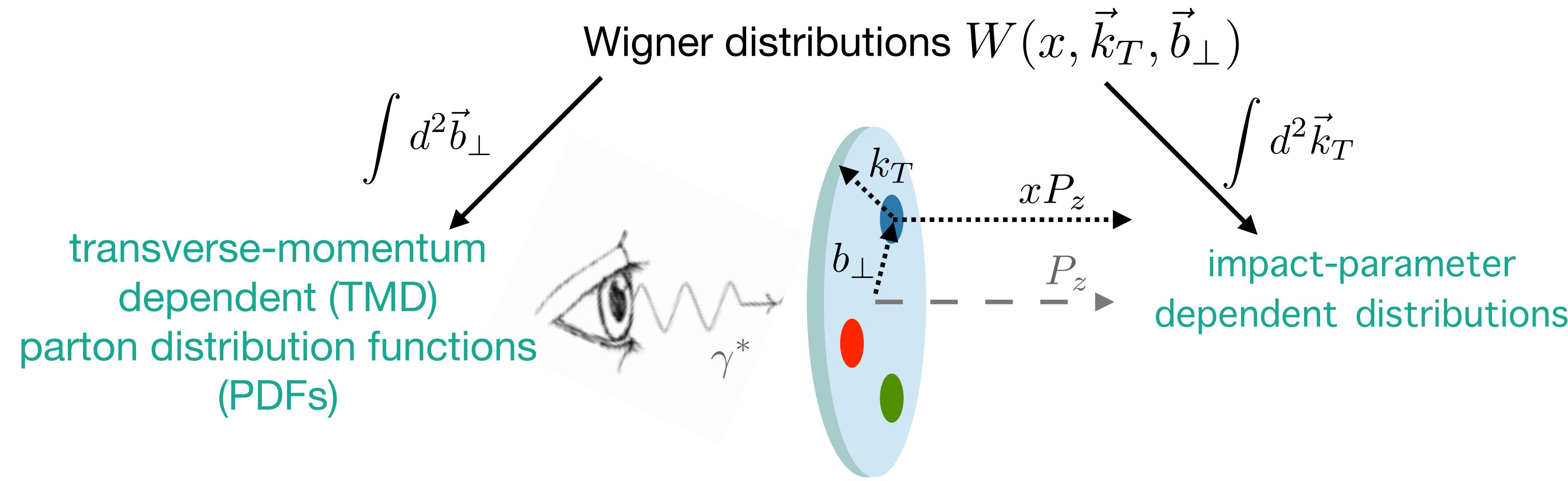
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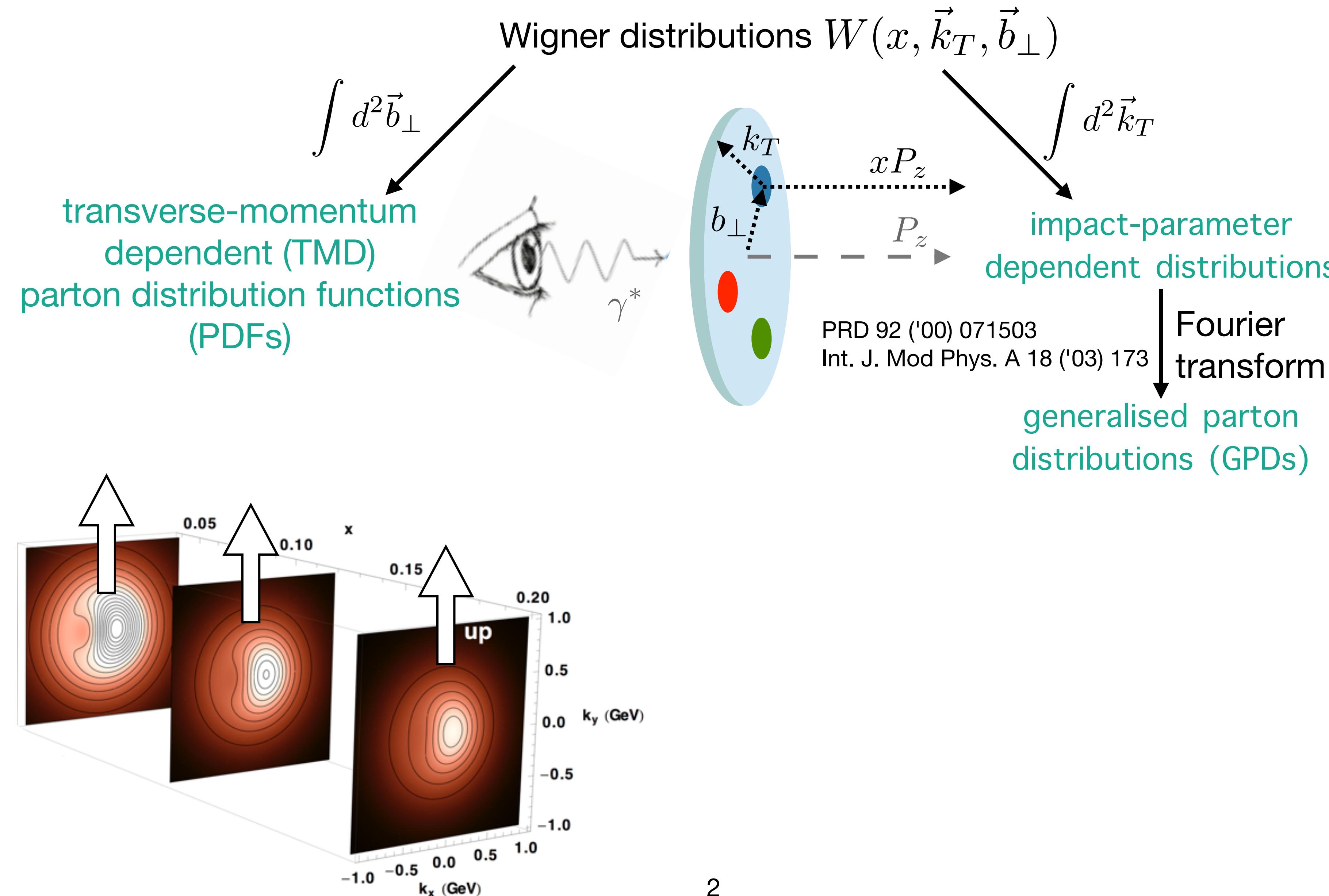
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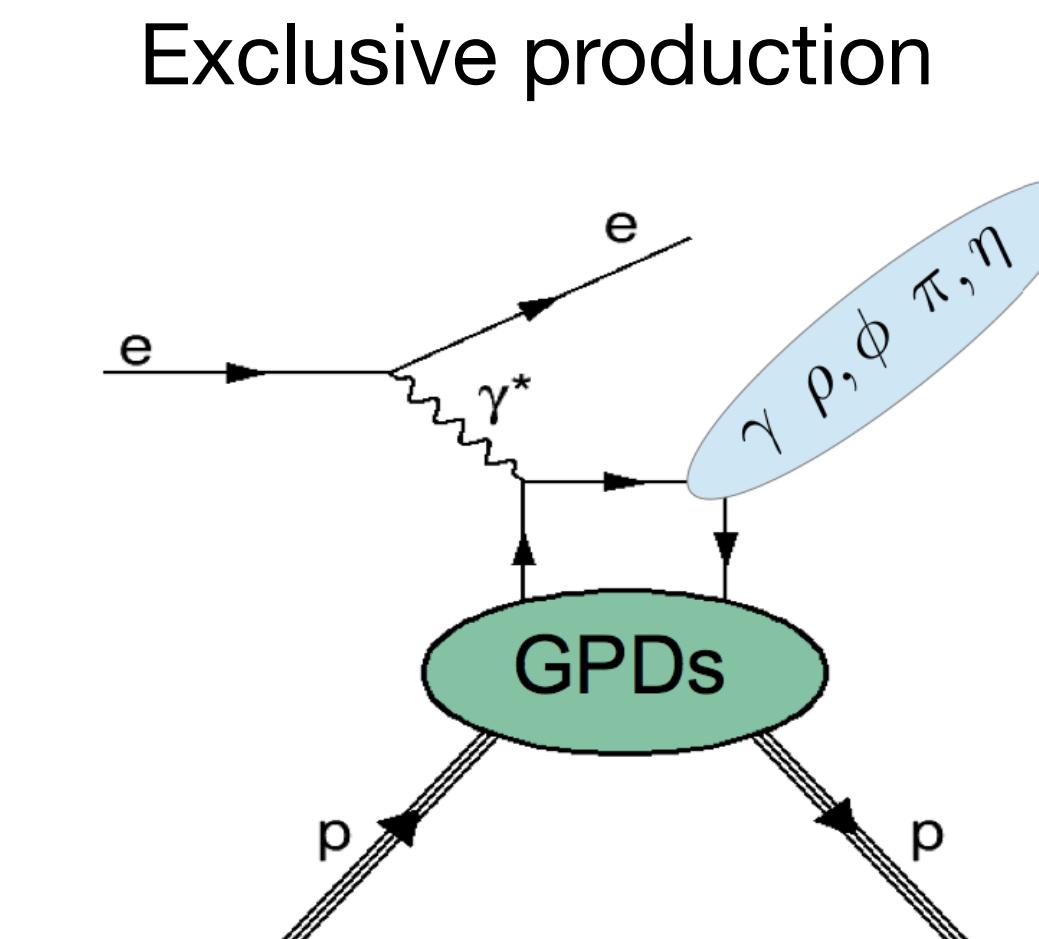
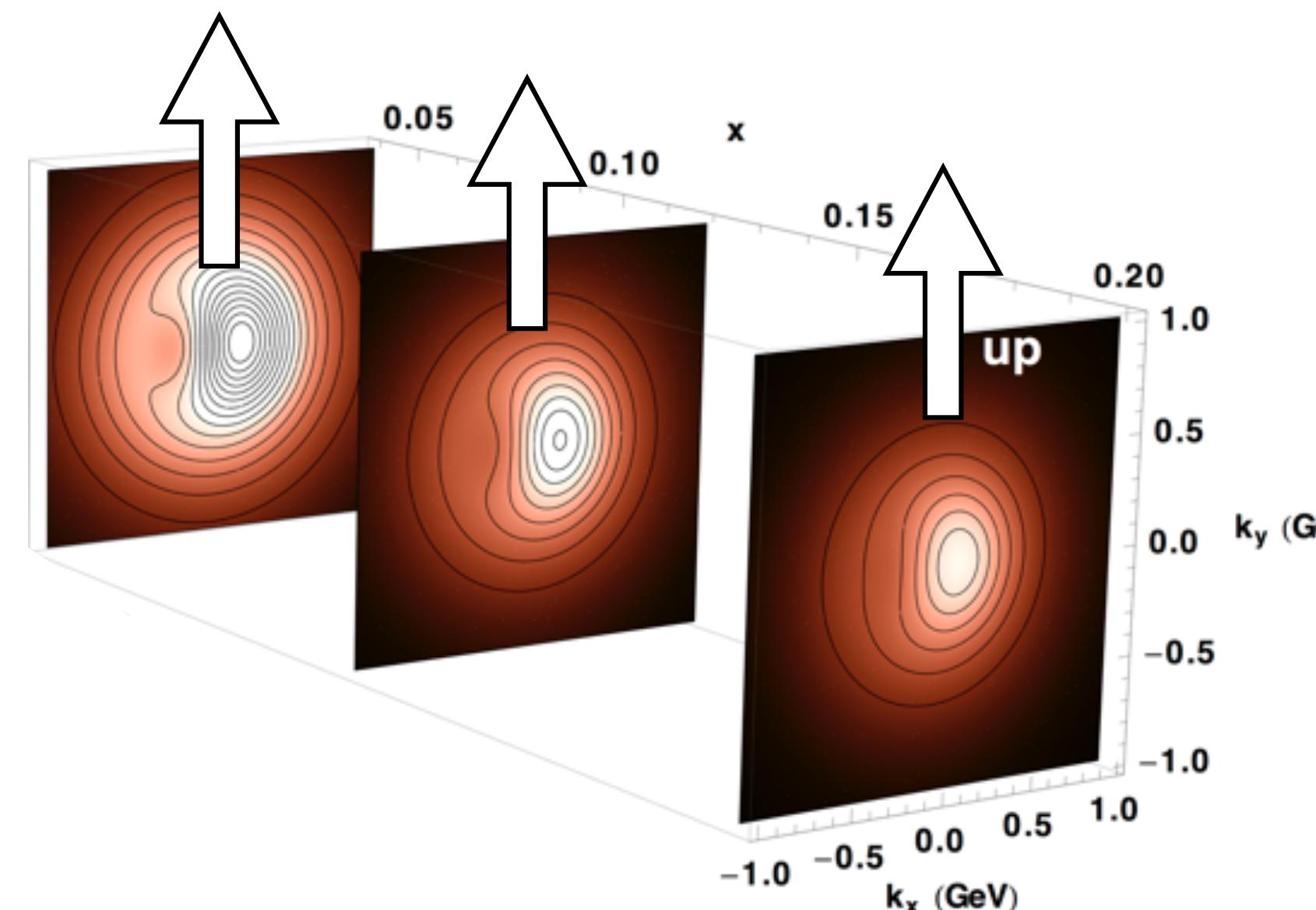
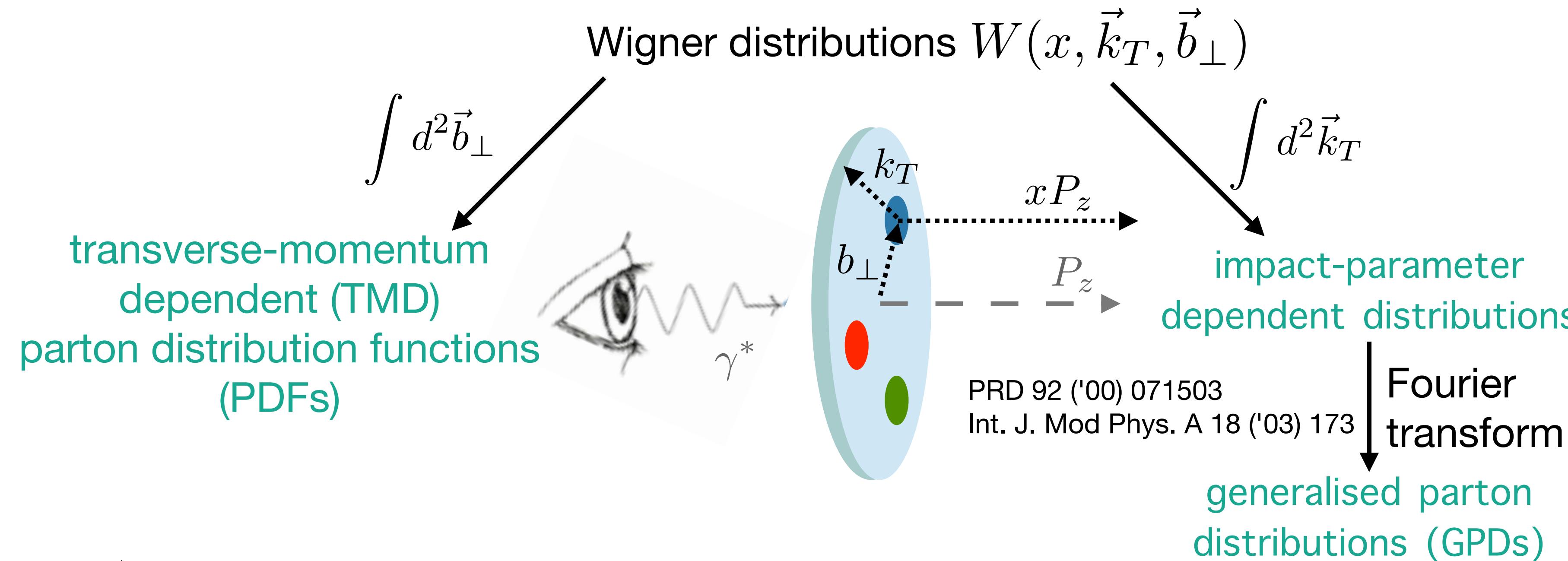
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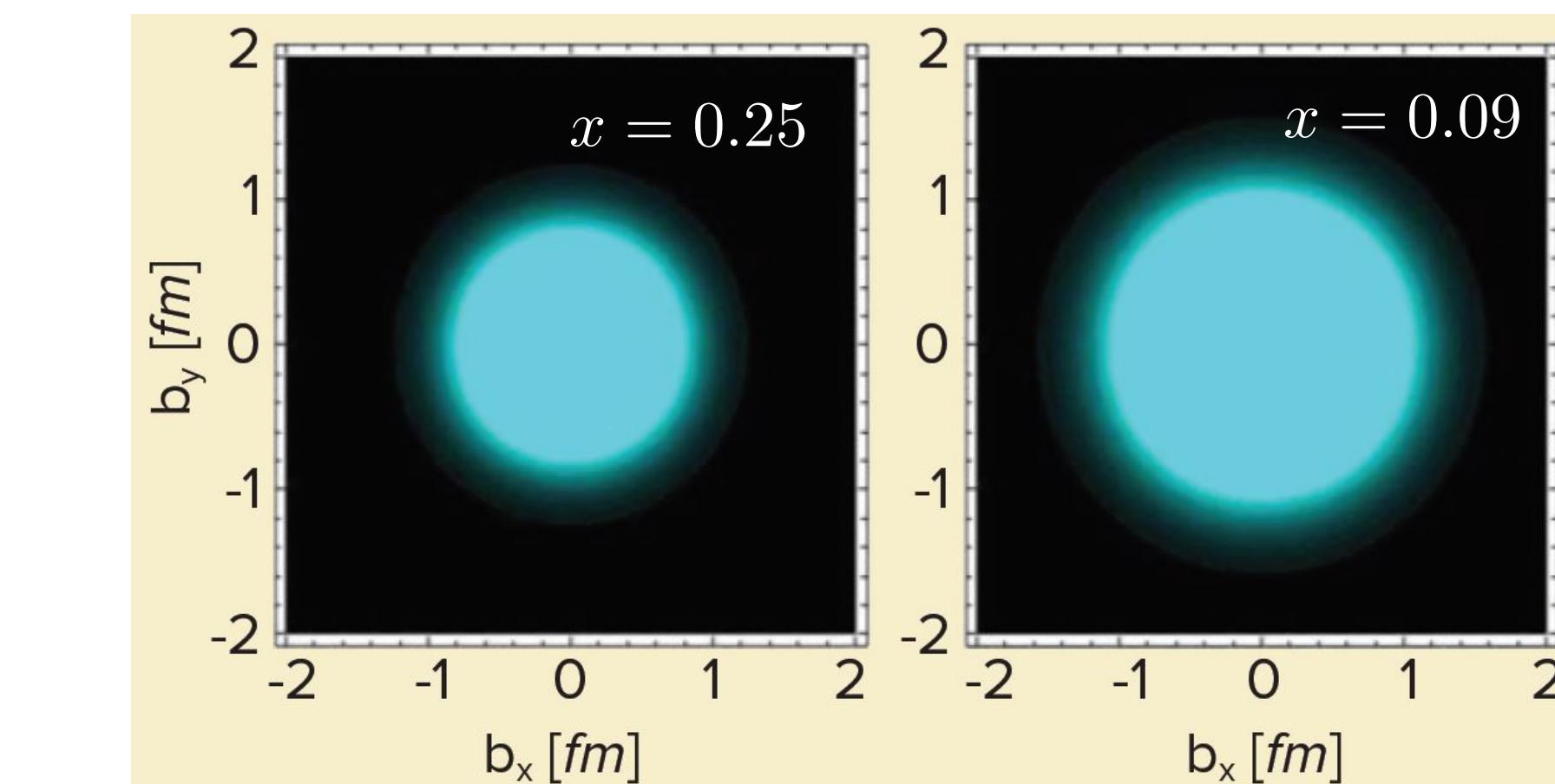
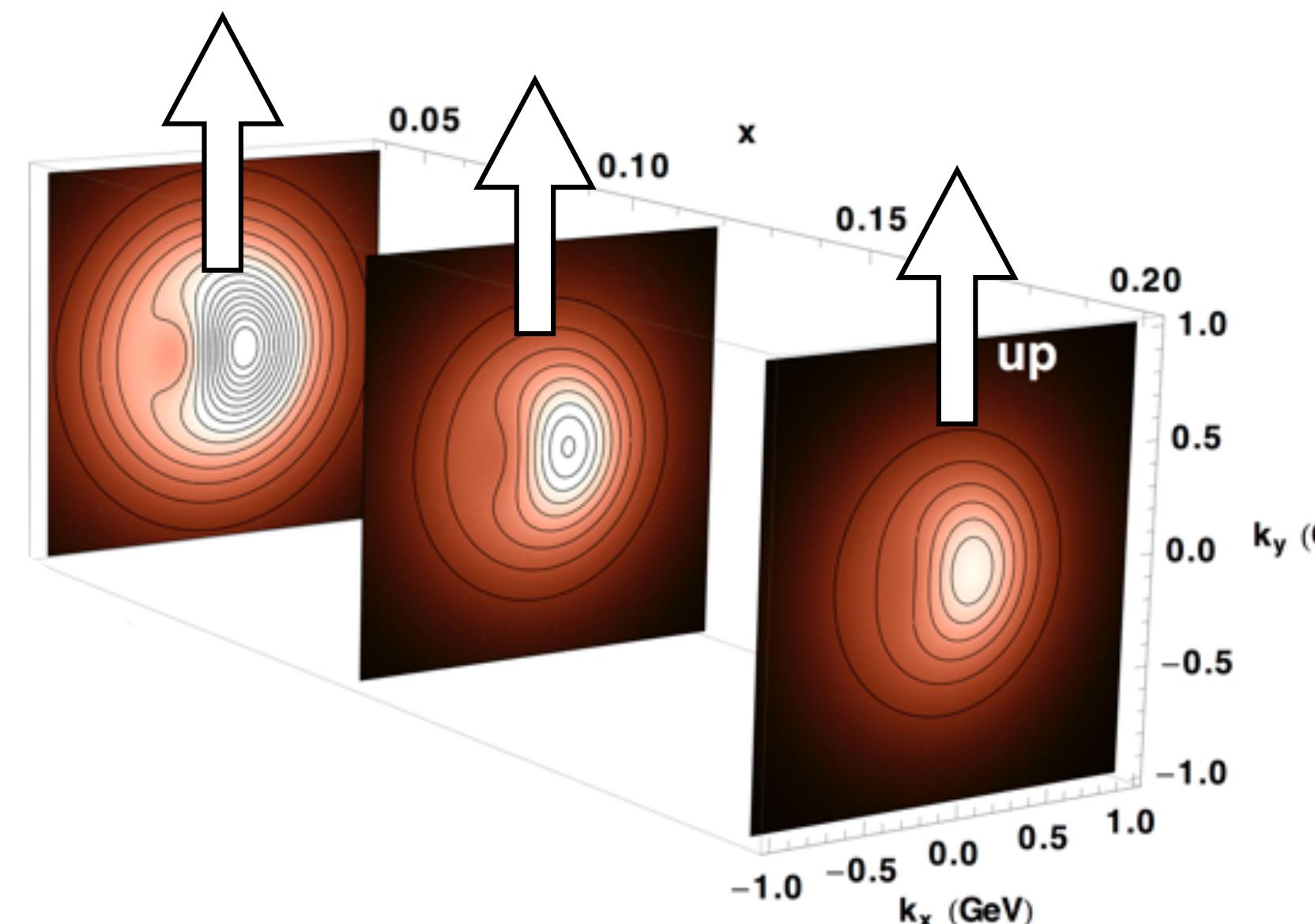
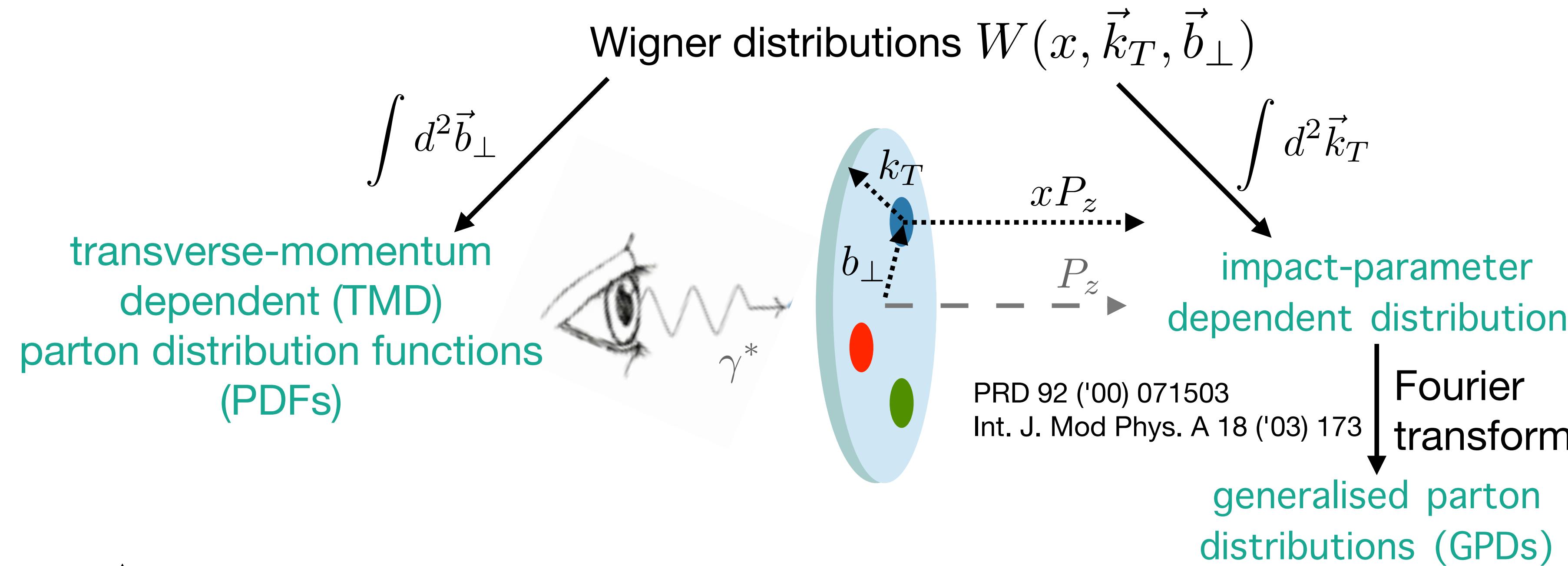
# The various dimensions of the nucleon structure and spin



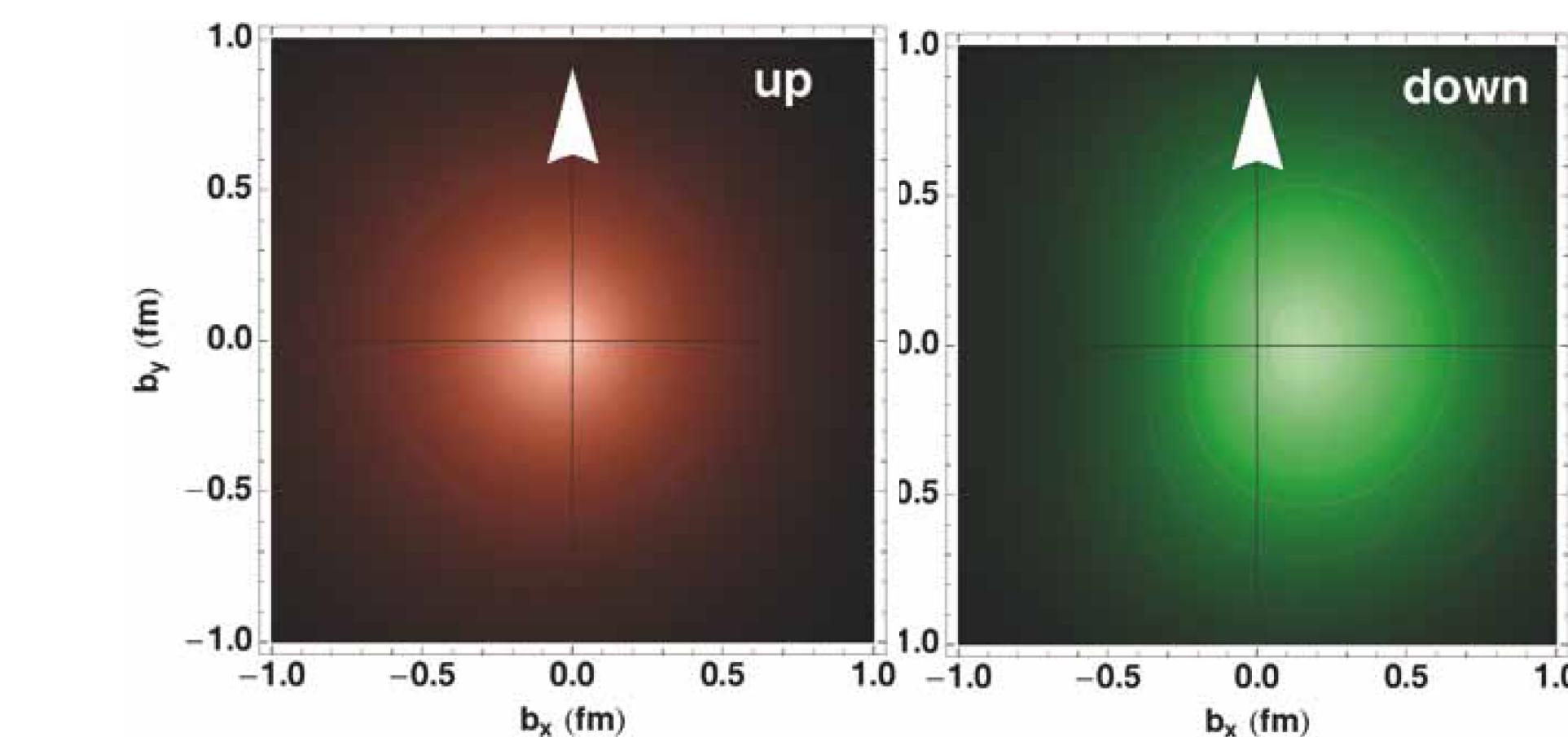
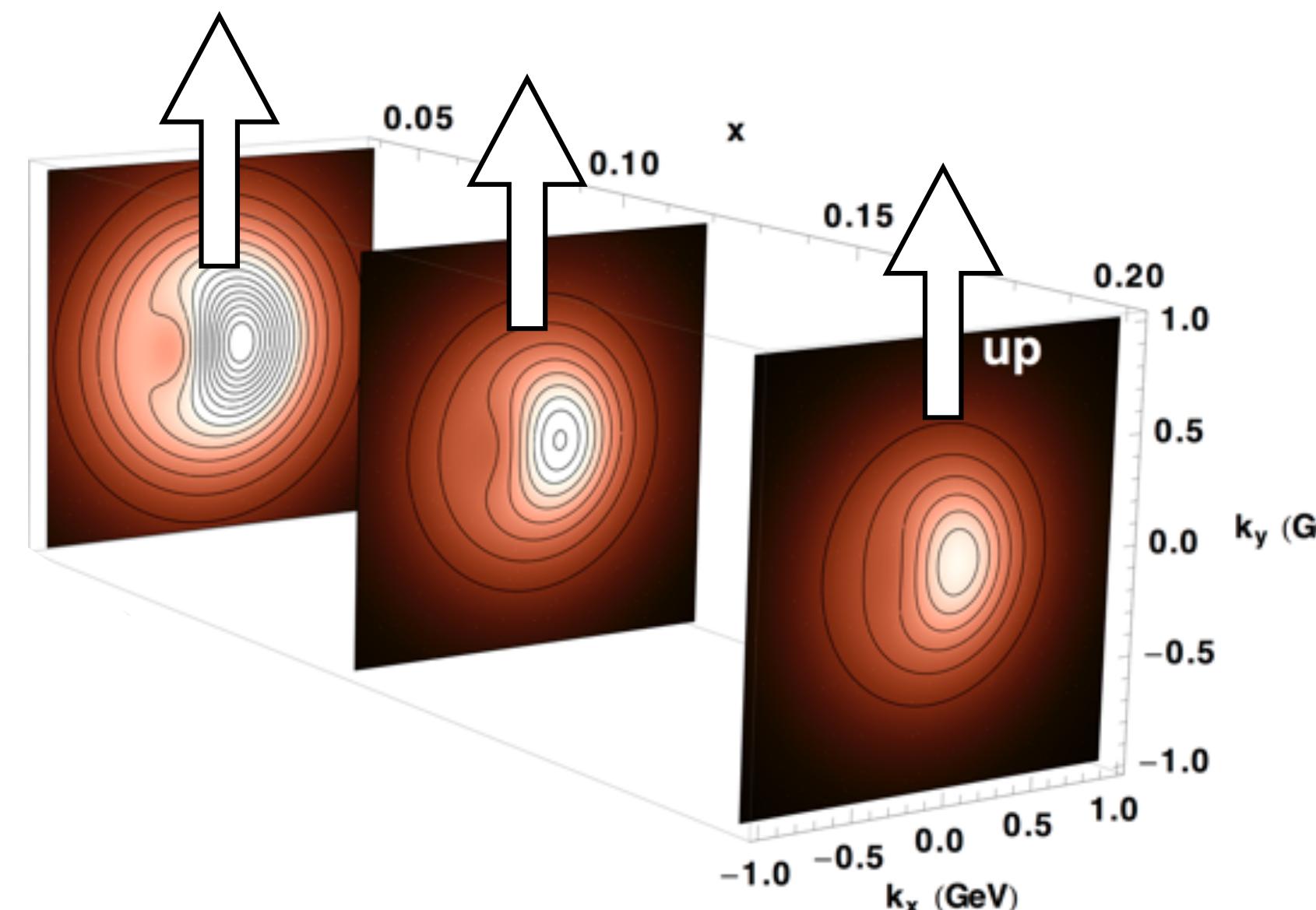
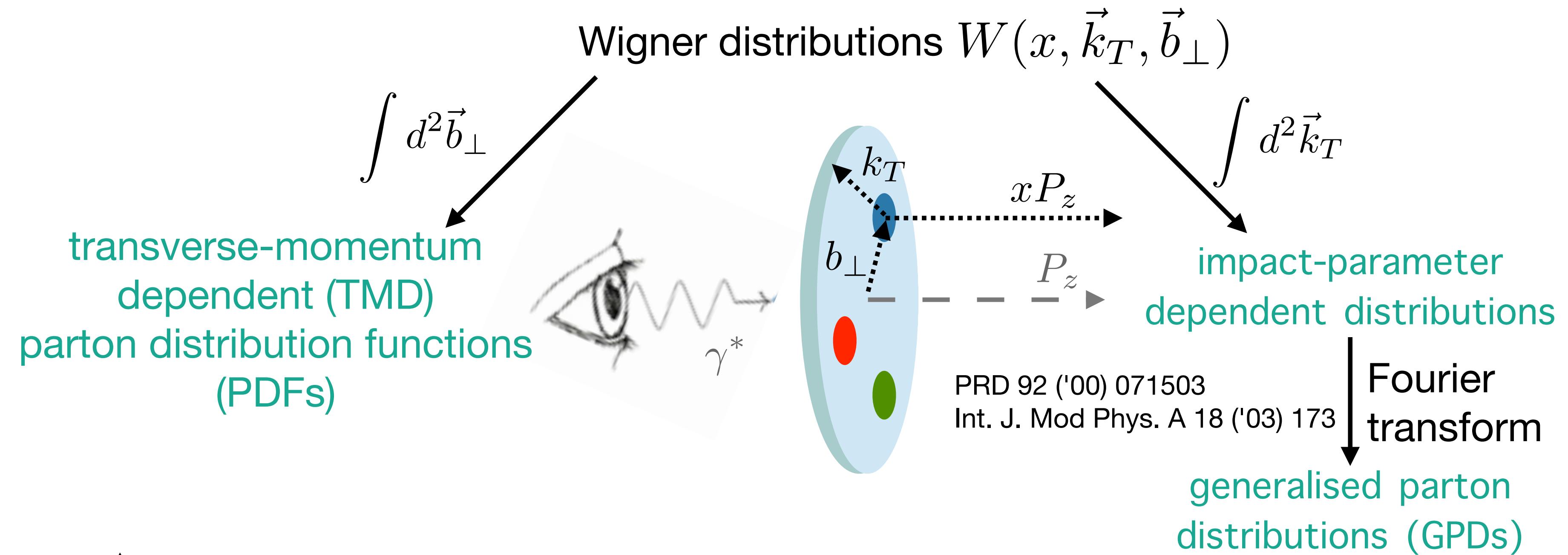
# The various dimensions of the nucleon structure and spin



# The various dimensions of the nucleon structure and spin



# The various dimensions of the nucleon structure and spin



# Tuesday morning

09:00	<b>Inclusive, diffractive and exclusive physics with ECCE, ATHENA and CORE</b> <i>Centre Paul Langevin</i>	<i>Wangmei Zha</i> 09:00 - 09:30
	<b>J/psi exclusive production and the connection to GPDs and PDFs</b> <i>Centre Paul Langevin</i>	<i>Hervé Dutrieux et al.</i> 09:30 - 10:00
10:00	<b>Coffee break</b> <i>Centre Paul Langevin</i>	10:00 - 10:30
	<b>Experimental overview on exclusive quarkonium production in pp</b> <i>Centre Paul Langevin</i>	<i>Cristina Sánchez Gras</i> 10:30 - 11:00
11:00	<b>Photoproduction of J/psi in heavy-ion collisions with nuclear overlap and J/psi polarisation</b> <i>Centre Paul Langevin</i>	<i>Afnan Shatat et al.</i> 11:00 - 11:30
	<b>Exclusive quarkonium production in CGC</b> <i>Centre Paul Langevin</i>	<i>Jani Penttala</i> 11:30 - 12:00

# Tuesday afternoon

**Q&A (Young Scientists 15')**

*Centre Paul Langevin*

16:30 - 17:00

**Discussion round I: How realistic is it to make exclusive measurements at HL-LHC and what is needed. Idem for inclusive photoproduction.** 

*Albert Bursche et al.*

*Centre Paul Langevin*

17:00 - 18:00

**Discussion round II: On the non-necessity of muon detectors at EIC**

*Daniel Kikola et al.*

*Centre Paul Langevin*

18:00 - 19:00

**Discussion on document quarkonia at EIC (restricted)**

*Centre Paul Langevin*

19:00 - 20:00

**Tutorial: SuperChic**

*Centre Paul Langevin*

*Lucian Harland-Lang et al.*

19:00 - 20:00

# Wednesday morning

## Gluon TMDs and quarkonia

*Francesco Giovanni Celiberto et al.*

*Centre Paul Langevin*

08:30 - 09:00

## Quarkonium and TMDs in ep: past and future measurements

*Jan Matousek*

*Centre Paul Langevin*

09:00 - 09:30

## J/psi polarisation and spin in semi-inclusive DIS

*Luca Maxia et al.* 

*Centre Paul Langevin*

09:30 - 10:00

## Coffee break

*Centre Paul Langevin*

10:00 - 10:30

## Light-front wave functions vs distributions amplitudes vs wave function at the origin : exclusive vs inclusive regimes

*Izabela Babiarz et al.*

## Shape functions: ep and hh

*Pieter Taels et al.*

*Centre Paul Langevin*

11:00 - 11:30

## Quarkonium and TMDs in hh: past and future Quarkonium and TMDs in hh: past and future measurements

*David Hagan*

# Wednesday afternoon

**Q&A session (young people 15')**

*Centre Paul Langevin*

16:30 - 17:00

**Round table discussion I: Fragmentation and non-universality. How to fit PDFs and FFs?**

*Aleksander Kusina et al.*

*Centre Paul Langevin*

17:00 - 18:00

**Round table discussion II: On the validity of extracting PDFs from CEP**

*Hervé Dutrieux et al.*

*Centre Paul Langevin*

18:00 - 19:00

**Discussion on document quarkonia at EIC (restricted)**

*Centre Paul Langevin*

19:00 - 20:00

**Tutorial: NLO access**

*Carlo Flore*

*Centre Paul Langevin*

19:00 - 20:00